

Director CSUD,  
Prof. dr. Anca -Mirela ANDREICA

Director SD Fizica  
Prof. dr. Vasile CHIS

| nume | gradul didactic | domeniul | 1. Activitatea didactică și profesională                                        |                                                                                                                               |                                                                                  |                                                                                                                                                                                                           |                                                                                 |                                                                                   |                                             |                                        |                                                                                                                                                                    |                                                                                                                                | 2. Activitatea de cercetare |                                                    | 3. Recunoașterea impactului activității                                         |                                                                                                                                                           | Total |                 |
|------|-----------------|----------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|
|      |                 |          | Cărți în edituri internaționale recunoscute Web of Science în calitate de autor | Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/ Review-uri în reviste cotate ISI | Cărți în edituri internaționale recunoscute Web of Science în calitate de editor | Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari | Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor | Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI | Brevete de invenție internaționale acordate | Brevete de invenție naționale acordate | Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură naționale acordate | Director/ responsabil pentru proiecte de cercetare câștigate în valoare de V euro prin competiție națională sau internațională | Total criteriu A            | Articole științifice originale în extenso ca autor | Articole științifice originale în extenso ca prim autor sau autor corespondent, | Citări în reviste științifice cu factor de impact care se regăsesc în InCites Journal Citation Reports sau în cărți în edituri recunoscute Web of Science |       | Indicele Hirsch |
| XY   |                 | FIZICĂ   | $A_1 = \sum_{i=1}^n 4 / n_i^{0.5}$                                              | $A_2 = \sum_{i=1}^n 1 / n_i^{0.5}$                                                                                            | $A_3 = \sum_{i=1}^n 0.5 / n_i^{0.5}$                                             | $A_4 = \sum_{i=1}^n 0.5 / n_i^{0.5}$                                                                                                                                                                      | $A_5 = \sum_{i=1}^n 0.2 / n_i^{0.5}$                                            | $A_6 = \sum_{i=1}^n 0.2 / n_i^{0.5}$                                              | $A_7 = \sum_{i=1}^n 3 / n_i^{0.5}$          | $A_8 = \sum_{i=1}^n 0.5 / n_i^{0.5}$   | $A_9 = \sum_{i=1}^n 0.5$                                                                                                                                           | $A_{10} = \sum_{i=1}^n \sqrt{1/100.000}$                                                                                       | $A = \sum_{i=1}^{10} A_i$   | $I = \sum_i AIS_i / n_i^{0.5}$                     | $P = \sum_i AIS_i$                                                              | $C = \sum_i c_i / n_i^{0.5}$                                                                                                                              | $h$   |                 |
|      |                 |          | 0.00                                                                            | 0.75                                                                                                                          | 0.00                                                                             | 0.50                                                                                                                                                                                                      | 0.00                                                                            | 0.04                                                                              | 0.00                                        | 0.00                                   | 0.00                                                                                                                                                               | 18.72                                                                                                                          | 20.01                       | 17.25                                              | 41.39                                                                           | 465.07                                                                                                                                                    | 25    | 77.58           |

Nota: se preiau valorile din fișele de calcul A, I-P și C

| Criterii minime                        | prof/CS I | conf/CS II |
|----------------------------------------|-----------|------------|
| A                                      | 2         | 1          |
| I                                      | 4         | 2          |
| P                                      | 4         | 2          |
| C                                      | 40        | 20         |
| h                                      | 10        | 5          |
| T = A + P / 2 + I / 2 + C / 20 + h / 5 | 12        | 5          |

| Activitatea didactica si profesionala                                                                                                                                                                                                                                                  |              |               |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|-------|
| 1. Cărți în edituri internaționale recunoscute Web of Science în calitate de autor                                                                                                                                                                                                     |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A1    |
|                                                                                                                                                                                                                                                                                        |              |               |       |
| 2. Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/ Review-uri în reviste cotate ISI                                                                                                                                                       |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A2    |
| M.Potara, C. Farcau, I. Botiz, S. Astilean, Detection of environmental pollutants by surface-enhanced Raman spectroscopy, capitol in Advanced Environmental Analysis: Applications of Nanomaterials, (Eds. Chaudhery Mustansar Hussain, Boris I. Kharisov), Royal Society of Chemistry | 4            | 4             | 0.250 |
| C. Farcau, S. Astilean, Surface Enhanced Raman Scattering: Fundamentals and Biosensing Applications, capitol in Handbook on Enhanced Spectroscopies, (Eds. Pietro Gucciardi, Nathalie Lidgi, Marc Lamy de la Chapelle), Pan Stanford Publishing, ISBN 9789814613323.                   | 2            | 2             | 0.500 |
|                                                                                                                                                                                                                                                                                        | total 2      |               | 0.750 |
| 3. Cărți în edituri internaționale recunoscute Web of Science în calitate de editor                                                                                                                                                                                                    |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A3    |
|                                                                                                                                                                                                                                                                                        |              |               |       |
| 4. Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari                                                                           |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A4    |
| C. Farcau, Ordered Plasmonic Nanostructures: from Fabrication to Relevant Applications in Optical Spectroscopy and Sensing, GRIN Publishing GmbH Munich, ISBN (eBook) 978-3-656-91121-0; ISBN (Book) 978-3-656-91122-7.                                                                | 1            | 1             | 0.500 |
|                                                                                                                                                                                                                                                                                        | total 4      |               | 0.500 |
| 5. Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor                                                                                                                                                                                                     |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A5    |
|                                                                                                                                                                                                                                                                                        |              |               |       |
| 6. Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI                                                                                                                                                                                                   |              |               |       |
| Date identificare                                                                                                                                                                                                                                                                      | Numar autori | Numar efectiv | A6    |
| R. Carles, C. Farcau, J. Campos, C. Bonafos, G. Benassayag, A. Zwick, Low-Energy Ion Beam Synthesis as a New Route toward Plasmonic Nanostructures, Mater. Res. Soc. Symp. Proc. 2009, 1182, 1182-EE09-21. ISBN: 978-1-60511-155-1. (6 pag)                                            | 6            | 5.5           | 0.036 |
|                                                                                                                                                                                                                                                                                        | total 6      |               | 0.036 |
| 7. Brevete de invenție internaționale acordate                                                                                                                                                                                                                                         |              |               |       |

| Date identificare                                                                                                                                                                                               | Numar autori        | Numar efectiv | A7           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|--------------|
|                                                                                                                                                                                                                 |                     |               |              |
| <b>8. Brevete de invenție naționale acordate</b>                                                                                                                                                                |                     |               |              |
| Date identificare                                                                                                                                                                                               | Numar autori        | Numar efectiv | A8           |
|                                                                                                                                                                                                                 |                     |               |              |
| <b>9. Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)</b>                   |                     |               |              |
| Date identificare                                                                                                                                                                                               |                     |               | A9           |
|                                                                                                                                                                                                                 |                     |               |              |
| <b>10. Director/ responsabil pentru proiecte de cercetare in valoare euro câștigate prin competiție națională sau internațională</b>                                                                            |                     |               |              |
| Date identificare                                                                                                                                                                                               | Suma totala in Euro | A10           |              |
| PN-III-P4-ID-PCE-2020-1607, Modulare activa a rezonantelor plasmonice in rețele de nanoparticule pe substrat elastomeric pentru biosenzori duali MEF/SERS ultrasensibili, 2022-2024; 1.197.362 lei (240000 EUR) | 240000              | 2.40          |              |
| PN-III-P2-2.1-PED-2019-5473, Platforma plasmonica nanostructurata pentru detectia duala electrochimica/SERS a unor poluanti farmaceutici persistenti in mediu, 2020-2022; 600000 lei (120000 EUR)               | 120000              | 1.20          |              |
| RO-NO-2019-0517, Platforma analitica microfluidica nanostructurata pentru detectia duala SERS-electrochimica a unor poluanti emergenti ai mediului, 2020-2023; 1.177.343 EUR                                    | 1177343             | 11.77         |              |
| PN-II-RU-TE-2014-4-2639, Rețele de nano-gapuri fabricate pe arie extinsa ca platforme plasmonice pentru controlul unor procese de emisie luminoasa, 2015-2017, 122479 EUR                                       | 122479              | 1.22          |              |
| PN-II-RU-TE-2011-3-0134, Dezvoltarea de NanoSenzori Duali Electrici/Optici pe Substrate Flexibile prin Auto-Asamblare Coloidala, 2011-2014, 212369 EUR                                                          | 212369              | 2.12          |              |
|                                                                                                                                                                                                                 | <b>total 10</b>     | <b>18.72</b>  |              |
| <b>TOTAL</b>                                                                                                                                                                                                    |                     |               | <b>20.01</b> |

**Note:**

1. la fiecare item se vor adauga atatea linii cate sunt necesare
2. In categoriile capitole de cărți la Edituri internaționale recunoscute (2) și capitole de cărți în edituri naționale recunoscute (5) nu se includ capitolele publicate in volumele de proceedingsuri de la conferințe. Acestea se vor include in categoria (6) doar daca sunt publicate in volume indexate ISI.

### Activitatea de cercetare

| Titlu articol                                                                                                                                                        | Autori                                                                | Jurnal                  | An   | Vol | Pag    | prim<br>autor/<br>corespon<br>dent | nr<br>autori | nr<br>efecti<br>v | AIS | I     | P       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|------|-----|--------|------------------------------------|--------------|-------------------|-----|-------|---------|-------|
| Titlu articol                                                                                                                                                        |                                                                       |                         |      |     |        |                                    | 0            | 1                 | 1   | 0     | 0       | 0     |
| Plasmonic Nanosensors for EGFR Detection: Optimizing Aptamer-Based Competitive Displacement Assays                                                                   | A. Falamas, A.-S. Tatar, S. Boca, C. Farcău                           | Biosensors              | 2025 | 15  | 699    |                                    | 1            | 4                 | 4   | 0.861 | 0.21525 | 0.861 |
| From molecules to nanoplastics SERS detection: new insights into the role of analyte on the plasmonic substrate design                                               | I. Cardan, V. Zani, A.M.M. Gherman, R. Signorini, R. Pilot, C. Farcau | Nanoscale               | 2025 | 17  | 25680  |                                    | 1            | 6                 | 5.5 | 0.996 | 0.18109 | 0.996 |
| Plasmon-Enhanced Fluorescence of Polyvinylpyrrolidone-Embedded CdSeS/ZnS Quantum Dots on Gold Film over Nanospheres                                                  | A. Falamas, C. Farcău                                                 | Methods Appl. Fluoresc. | 2025 | 13  | 035003 |                                    | 1            | 2                 | 2   | 0.581 | 0.2905  | 0.581 |
| The Role of Focused Laser Plasmonics in Shaping SERS Spectra of Molecules on Nanostructured Surfaces                                                                 | F. Nekvapil, C. Farcău                                                | Nanoscale Adv.          | 2025 | 7   | 3008   |                                    | 1            | 2                 | 2   | 0.813 | 0.4065  | 0.813 |
| Dynamic Plasmonic Coupling in Gold Nanosphere Oligomers: Mechanically Tuned Red and Blue Shifts for SERS/SEF                                                         | I. Toth, C. Farcău                                                    | Biosensors              | 2025 | 15  | 181    |                                    | 1            | 2                 | 2   | 0.861 | 0.4305  | 0.861 |
| A simple, rapid, and low-cost approach for colloidal nanoparticle-based Surface Enhanced Raman Scattering detection of endosulfan pesticide at trace levels          | A. Falamas, I. A. Brezestean, N. Tosa, S. Boca, C. Farcau             | Nano Express            | 2024 | 5   | 045006 |                                    | 1            | 5                 | 5   | 0.413 | 0.0826  | 0.413 |
| Plasmonic structurally colored surfaces with metal film over microsphere lattices                                                                                    | F. Toadere, C. Farcău                                                 | Opt. Mater.             | 2024 | 156 | 115936 |                                    | 1            | 2                 | 2   | 0.505 | 0.2525  | 0.505 |
| Large Enhancement of Photoluminescence Obtained in Thin Polyfluorene Films of Optimized Microstructure                                                               | O. Todor-Boer, C. Farcău, I. Botiz                                    | Polymers                | 2024 | 16  | 2278   |                                    | 0            | 3                 | 3   | 0.701 | 0.23367 | 0     |
| Linear Arrays of Metal-Coated Microspheres: a Polarization –Sensitive Hybrid Colloidal Plasmonic-Photonic Crystal                                                    | C. Farcau                                                             | Eur. Phys. J. Plus      | 2023 | 138 | 1000   |                                    | 1            | 1                 | 1   | 0.498 | 0.498   | 0.498 |
| Self-Assembled PVP-Gold Nanostar Films as Plasmonic Substrates for Surface-Enhanced Spectroscopies: Influence of the Polymeric Coating on the Enhancement Efficiency | A.-S. Tatar, S. Boca, A. Falamas, D. Cuibus, C. Farcau                | Analyst                 | 2023 | 148 | 3992   |                                    | 1            | 5                 | 5   | 0.637 | 0.1274  | 0.637 |

|                                                                                                                                                                       |                                                                                                                                      |                                            |      |      |        |   |    |     |       |         |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------|------|--------|---|----|-----|-------|---------|-------|
| <i>Gold vs silver colloidal nanoparticle films for optimized SERS detection of propranolol and electrochemical-SERS analyses</i>                                      | C. M. Muntean, D. Cuibus, S. Boca, A. Fălămaș, N. Toșa, I. Brezeștean, A. Bende, L. Barbu-Tudoran, R. Moldovan, E. Bodoki, C. Farcău | <a href="#">Biosensors</a>                 | 2023 | 13   | 530    | 1 | 11 | 8   | 0.765 | 0.09563 | 0.765 |
| <i>Toward microfluidic SERS and EC-SERS applications via tunable gold films over nanospheres</i>                                                                      | A. Falamas, D. Cuibus, N. Tosa, I. Brezestean, C. M. Muntean, K. Milenko, E. Vereshchagina, R. Moldovan, E. Bodoki, C. Farcau        | <a href="#">Discover Nano</a>              | 2023 | 18   | 73     | 1 | 10 | 7.5 | 0     | 0       | 0     |
| <i>A simple approach for coffee-ring suppression yielding homogeneous drying patterns of ZnO and TiO2 nanoparticles</i>                                               | I. Marica, M. Ștefan, S. Boca, A. Fălămaș, C. Farcău                                                                                 | <a href="#">J. Colloid. Interface Sci.</a> | 2023 | 635  | 117    | 1 | 5  | 5   | 1.235 | 0.247   | 1.235 |
| <i>Surface enhanced fluorescence potential of ZnO nanoparticles and gold decorated ZnO nanostructures embedded in a polyvinyl alcohol matrix</i>                      | A. Falamas, I. Marica, F. Nekvapil, M. Ștefan, G. S. Macavei, L. Barbu-Tudoran, C. Farcau                                            | <a href="#">J Photochem. Photobiol. A</a>  | 2023 | 438  | 114516 | 0 | 7  | 6   | 0.485 | 0.08083 | 0     |
| <i>EC-SERS Detection of Thiabendazole in Apple Juice Using Activated Screen-Printed Electrodes</i>                                                                    | R. Moldovan, K. Milenko, E. Vereshchagina, B.-C. Iacob, K. Schneider, C. Farcău, E. Bodoki                                           | <a href="#">Food Chem.</a>                 | 2023 | 405  | 134713 | 0 | 7  | 6   | 1.082 | 0.18033 | 0     |
| <i>Development of PMMA/RGO Composite Films as Thermal Interface Materials</i>                                                                                         | R. Tarcan, M. Handrea-Drăgan, C.-I. Leordean, R. C. Cioban, Z. Kiss, D. Zaharie-Butucel, C. Farcau, A. Vulpoi, S. Simon, I. Botiz    | <a href="#">J. Appl. Polym. Sci.</a>       | 2022 | 139  | e53238 | 0 | 10 | 7.5 | 0.365 | 0.04867 | 0     |
| <i>Silver nanoparticle films obtained by convective self-assembly for surface-enhanced Raman spectroscopy analyses of the pesticides thiabendazole and endosulfan</i> | I. Brezestean, N. Tosa, A. Falamas, D. Cuibus, C. M. Muntean, A. Bende, B. Cozar, C. Berghian-Grosan, C. Farcau                      | <a href="#">Front. Chem.</a>               | 2022 | 10   | 915337 | 1 | 9  | 7   | 0.961 | 0.13729 | 0.961 |
| <i>Zinc oxide nanostructures for fluorescence and Raman signal enhancement: a review</i>                                                                              | I. Marica, F. Nekvapil, M. Ștefan, C. Farcău, A. Fălămaș                                                                             | <a href="#">Beilstein J. Nanotechnol.</a>  | 2022 | 13   | 472    | 0 | 5  | 5   | 0.477 | 0.0954  | 0     |
| <i>Review on combining surface-enhanced Raman spectroscopy and electrochemistry for analytical applications</i>                                                       | R. Moldovan, E. Vereshchagina, K. Milenko, B.-C. Iacob, A. E. Bodoki, A. Falamas, N. Tosa, C. M. Muntean, C. Farcău, E. Bodoki       | <a href="#">Anal. Chim. Acta</a>           | 2022 | 1209 | 339250 | 1 | 10 | 7.5 | 0.936 | 0.1248  | 0.936 |

|                                                                                                                                                                                                      |                                                                                                                                   |                                                 |      |      |        |   |    |     |       |         |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|------|--------|---|----|-----|-------|---------|-------|
| <i>Spheres-In-Grating Assemblies with Altered Photoluminescence and Wetting Properties</i>                                                                                                           | I. M. Handrea-Drăgan, A. Vulpoi, C. Farcău, I. Botiz                                                                              | <a href="#">Nanomaterials</a>                   | 2022 | 12   | 1084   | 0 | 4  | 4   | 0.712 | 0.178   | 0     |
| <i>Development and evaluation of a gold nanourchin (GNU)-based sandwich architecture for SERS immunosensing in liquid</i>                                                                            | A.-S. Tatar, C. Farcău, A. Vulpoi, S. Boca, S. Astilean                                                                           | <a href="#">Acta A: Mol. Biomol. Spectrosc.</a> | 2022 | 273  | 121069 | 0 | 5  | 5   | 0.512 | 0.1024  | 0     |
| <i>Tuning plasmons of metal-coated microsphere arrays towards optimized surface-enhanced spectroscopy</i>                                                                                            | N. Nechita, C. Farcau                                                                                                             | <a href="#">Opt. Express</a>                    | 2021 | 29   | 42238  | 1 | 2  | 2   | 0.78  | 0.39    | 0.78  |
| <i>Silver film over nanospheres (AgFoN) as tri-modal plasmonic sensing platform for Surface Plasmon Resonance Spectroscopy, Surface-Enhanced Raman Scattering, and Surface-Enhanced Fluorescence</i> | C. Farcau                                                                                                                         | <a href="#">J Mol. Struct.</a>                  | 2022 | 1250 | 131583 | 1 | 1  | 1   | 0.331 | 0.331   | 0.331 |
| <i>Strategies for SERS detection of organochlorine pesticides</i>                                                                                                                                    | R. Moldovan, B.-C. Iacob, C. Farcau, E. Bodoki, R. Oprean                                                                         | <a href="#">Nanomaterials</a>                   | 2021 | 11   | 304    | 0 | 5  | 5   | 0.738 | 0.1476  | 0     |
| <i>A new, fast and facile synthesis method for reduced graphene oxide in N,N-dimethylformamide</i>                                                                                                   | R. Tarcan, M. Handrea-Drăgan, O. Todor-Boer, I. Petrovai, C. Farcau, M. M. Rusu, A. Vulpoi Lazar, M. Todea, S. Astilean, I. Botiz | <a href="#">Synth. Met.</a>                     | 2020 | 269  | 116576 | 0 | 10 | 7.5 | 0.438 | 0.0584  | 0     |
| <i>Surface-enhanced fluorescence imaging on linear arrays of plasmonic half-shells</i>                                                                                                               | C. Farcau, A. M. Craciun, R. A. L. Vallee                                                                                         | <a href="#">J Chem. Phys.</a>                   | 2020 | 153  | 164701 | 1 | 3  | 3   | 0.833 | 0.27767 | 0.833 |
| <i>Plasmonic photothermal heating of gold nanostars in a real-size container: multiscale modelling and experimental study</i>                                                                        | A. M. M. Gherman, S. Boca, A. Vulpoi, M. V. Cristea, C. Farcau, V. Tosa                                                           | <a href="#">Nanotechnology</a>                  | 2020 | 31   | 125701 | 1 | 6  | 5.5 | 0.677 | 0.12309 | 0.677 |
| <i>Extraordinary optical transmission through titanium nitride-coated microsphere lattice</i>                                                                                                        | A.M. M. Gherman, A. Vladescu, A. E. Kiss, C. Farcau                                                                               | <a href="#">Photonic Nanostruct.</a>            | 2020 | 38   | 100762 | 1 | 4  | 4   | 0.396 | 0.099   | 0.396 |
| <i>Gold Nanopost-Shell Arrays Fabricated by Nanoimprint Lithography as a Flexible Plasmonic Sensing Platform</i>                                                                                     | C. Farcau, D. Marconi, A. Colnita, I. Brezestean, L. Barbu-Tudoran                                                                | <a href="#">Nanomaterials</a>                   | 2019 | 9    | 1519   | 1 | 5  | 5   | 0.671 | 0.1342  | 0.671 |
| <i>Metal-coated microsphere monolayers as surface plasmon resonance sensors operating in both transmission and reflection modes</i>                                                                  | C. Farcau                                                                                                                         | <a href="#">Sci. Rep.</a>                       | 2019 | 9    | 3683   | 1 | 1  | 1   | 1.261 | 1.261   | 1.261 |
| <i>Hybrid architectures made of nonlinear-active and metal nanostructures for plasmon-enhanced harmonic generation</i>                                                                               | A. Falamas, V. Tosa, C. Farcau                                                                                                    | <a href="#">Opt. Mater.</a>                     | 2019 | 88   | 653    | 1 | 3  | 3   | 0.384 | 0.128   | 0.384 |

|                                                                                                                              |                                                                                                                  |                                           |      |     |       |   |   |     |       |         |       |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|-----|-------|---|---|-----|-------|---------|-------|
| <i>Corrosion and tribological performance of quasi-stoichiometric titanium containing carbonitride coatings</i>              | C. I. Pruncu, M. Braic, K. D. Dearn, C. Farcau, R. Watson, L. R. Constantin, M. Balaceanu, V. Braic, A. Vladescu | <a href="#">Arab. J. Chem.</a>            | 2017 | 10  | 1015  | 0 | 9 | 7   | 0.605 | 0.08643 | 0     |
| <i>Shaping light spectra and field profiles in metal-coated monolayers of etched microspheres</i>                            | C. Tira, I. Ly, R. Vallee, S. Astilean, C. Farcau                                                                | <a href="#">Opt. Mat. Express</a>         | 2017 | 7   | 2847  | 1 | 5 | 5   | 0.649 | 0.1298  | 0.649 |
| <i>Convective self-assembly of pi-conjugated oligomers and polymers</i>                                                      | I. Botiz, M.A. Codescu, C. Farcau, C. Leordean, S. Astilean, C. Silva, N. Stingelin                              | <a href="#">J. Mat. Chem. C</a>           | 2017 | 5   | 2513  | 0 | 7 | 6   | 1.133 | 0.18883 | 0     |
| <i>Flexible transparent sensors from reduced graphene oxide micro-stripes fabricated by convective self-assembly</i>         | D. Zaharie-Butucel, L. Digianantonio, C. Leordean, L. Ressler, S. Astilean, C. Farcau                            | <a href="#">Carbon</a>                    | 2017 | 113 | 361   | 1 | 6 | 5.5 | 1.39  | 0.25273 | 1.39  |
| <i>Study of the molecular recognition mechanism of an ultrathin MIP film -based chiral electrochemical sensor</i>            | B.-C. Iacob, E. Bodoki, C. Farcau, L. Barbu-Tudoran, R. Oprean                                                   | <a href="#">Electrochim. Acta</a>         | 2016 | 217 | 195   | 0 | 5 | 5   | 0.827 | 0.1654  | 0     |
| <i>PDLC composites based on polyvinyl boric acid matrix – a promising pathway towards biomedical engineering</i>             | D. Ailincăi, C. Farcau, E. Paslaru, L. Marin                                                                     | <a href="#">Liq. Cryst.</a>               | 2016 | 43  | 1973  | 0 | 4 | 4   | 0.336 | 0.084   | 0     |
| <i>Effects of Zr, Nb, or Si addition on the microstructural, mechanical, and corrosion resistance of TiCN hard coatings</i>  | L. Constantin, M. Braic, M. Dinu, M. Balaceanu, V. Braic, C. Farcau, A. Vladescu                                 | <a href="#">Mater. Corros.</a>            | 2016 | 67  | 929   | 0 | 7 | 6   | 0.279 | 0.0465  | 0     |
| <i>Metanephrine neuroendocrine tumor marker detection by SERS using Au nanoparticle / Au film sandwich architecture</i>      | S. Boca, C. Farcau, M. Baia, S. Astilean                                                                         | <a href="#">Biomed. Microdev.</a>         | 2016 | 18  | 12    | 0 | 4 | 4   | 0.657 | 0.16425 | 0     |
| <i>Chemiresistive / SERS dual sensor based on densely packed gold nanoparticles</i>                                          | S. Boca, C. Leordean, S. Astilean, C. Farcau                                                                     | <a href="#">Beilstein J. Nanotechnol.</a> | 2015 | 6   | 2498  | 1 | 4 | 4   | 0.789 | 0.19725 | 0.789 |
| <i>Polarized SERS on linear arrays of silver half-shells: SERS re-radiation modulated by local density of optical states</i> | C. Farcau, R. A. L. Vallee, S. Boca, S. Astilean                                                                 | <a href="#">J. Opt.</a>                   | 2015 | 17  | 1E+06 | 1 | 4 | 4   | 0.602 | 0.1505  | 0.602 |
| <i>Surface modeling of nanopatterned polymer films obtained by colloidal templated electropolymerization</i>                 | A. Cernat, E. Bodoki, C. Farcau, S. Astilean, S. Griveau, F. Bedioui, R. Săndulescu                              | <a href="#">J. Nanosci. Nanotech.</a>     | 2015 | 15  | 3359  | 0 | 7 | 6   | 0.174 | 0.029   | 0     |
| <i>A Novel Label-free Immunosensor Based on Activated Graphene Oxide for Acetaminophen Detection</i>                         | M. Tertîș, O. Hosu, L. Fritea, C. Farcau, R. Săndulescu, C. Cristea                                              | <a href="#">Electroanalysis</a>           | 2015 | 27  | 638   | 0 | 6 | 5.5 | 0.444 | 0.08073 | 0     |

|                                                                                                                                      |                                                                                                                                          |                                      |      |      |        |   |    |     |       |         |       |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------|------|--------|---|----|-----|-------|---------|-------|
| <i>Surface-Enhanced Spectroscopy on Plasmonic Oligomers Assembled by AFM nanoxerography</i>                                          | P. Moutet, N. M. Sangeetha, L. Ressler, N. Vilar-Vidal, M. Comesaña, S. Ravaine, R. A. L. Vallée, A. M. Gabudean, S. Astilean, C. Farcau | <a href="#">Nanoscale</a>            | 2015 | 7    | 2009   | 1 | 10 | 7.5 | 1.783 | 0.23773 | 1.783 |
| <i>Covalent conjugation of carbon dots with Rhodamine B and assesment of their photophysical properties</i>                          | A. Diac, M. Focsan, C. Socaci, A.-M. Gabudean, C. Farcau, D. Maniu, E. Vasile, A. Terec, L.M. Veca, S. Astilean                          | <a href="#">RSC Advances</a>         | 2015 | 5    | 77662  | 0 | 10 | 7.5 | 0.628 | 0.08373 | 0     |
| <i>Periodically Nanostructured Substrates for Surface Enhanced Raman Spectroscopy</i>                                                | C. Farcau, S. Astilean                                                                                                                   | <a href="#">J. Mol. Struct.</a>      | 2014 | 1073 | 102    | 1 | 2  | 2   | 0.295 | 0.1475  | 0.295 |
| <i>Multiscale Electromagnetic SERS Enhancement on Self-Assembled Micro-Patterned Gold Nanoparticle Films</i>                         | C. Leordean, M. Potara, S. Boca-Farcau, A. Vulpoi, S. Astilean, C. Farcau                                                                | <a href="#">J. Raman Spectr.</a>     | 2014 | 45   | 627    | 1 | 6  | 5.5 | 0.575 | 0.10455 | 0.575 |
| <i>Controlled synthesis of buried delta-layers of Ag nanocrystals for near-field plasmonic effects on free surfaces</i>              | P. Berizo, C. Bonaros, M. Bayle, K. Carles, L. Cattaneo, C. Farcau, G. Benassayag, B. Pécassou, D. Muller                                | <a href="#">J. Appl. Phys.</a>       | 2013 | 113  | 193505 | 0 | 9  | 7   | 0.724 | 0.10343 | 0     |
| <i>Electron transport in gold colloidal nanoparticle based strain gauges</i>                                                         | H. Moreira, J. Grisolia, N. M. Sangeetha, N. Decorde, C. Farcau, B. Viallet, K. Chen, G. Viau, L. Ressler                                | <a href="#">Nanotechnol ogy</a>      | 2013 | 24   | 095701 | 0 | 9  | 7   | 1.088 | 0.15543 | 0     |
| <i>Polarization-sensitive linear plasmonic nanostructures via colloidal lithography with uni-axial colloidal arrays</i>              | V. Saracut, M. Gilloan, M. Gabor, S. Astilean, C. Farcau                                                                                 | <a href="#">ACS Appl. Mat. Int.</a>  | 2013 | 5    | 1362   | 1 | 5  | 5   | 1.279 | 0.2558  | 1.279 |
| <i>Reliable plasmonic substrates for bioanalytical SERS applications easily prepared by convective assembly of gold nanocolloids</i> | C. Farcau, M. Potara, C. Leordean, S. Boca, S. Astilean                                                                                  | <a href="#">Analyst</a>              | 2013 | 138  | 546    | 1 | 5  | 5   | 0.913 | 0.1826  | 0.913 |
| <i>Electrografted nanostructured platforms for click chemistry</i>                                                                   | Cernat, S. Griveau, P. Martin, J.-C. Lacroix, C. Farcau, R. Sandulescu, F. Bedioui                                                       | <a href="#">Electrochem. Commun.</a> | 2012 | 23   | 141    | 0 | 7  | 6   | 1.278 | 0.213   | 0     |
| <i>Understanding plasmon resonances in metal coated colloidal crystal monolayers</i>                                                 | C. Farcau, M. Gilloan, E. Vinteler, S. Astilean                                                                                          | <a href="#">Appl. Phys. B</a>        | 2012 | 106  | 849    | 1 | 4  | 4   | 0.658 | 0.1645  | 0.658 |
| <i>Chitosan-coated anisotropic silver nanoparticles as a SERS substrate for single-molecule detection</i>                            | M. Potara, M. Baia, C. Farcau, S. Astilean                                                                                               | <a href="#">Nanotechnol ogy</a>      | 2012 | 23   | 055501 | 0 | 4  | 4   | 1.205 | 0.30125 | 0     |

|                                                                                                                                                     |                                                                                                              |                                          |      |     |        |   |   |     |       |         |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------|------|-----|--------|---|---|-----|-------|---------|-------|
| <i>3D Patterning of Ag Nanoparticles by ULE Ion Implantation and Stencil Soft Lithography for Plasmonic Device Applications</i>                     | G. BenAssayag, C. Farcau, P. Benzo, L. Cattaneo, C. Bonafos, B. Pecassou, A. Zwick, R. Carles                | <a href="#">Nucl. Instr. and Meth. B</a> | 2012 | 272 | 214    | 0 | 8 | 6.5 | 0.407 | 0.06262 | 0     |
| <i>Microarrays of gold nanoparticle clusters fabricated by Stop&amp;Go convective self-assembly for SERS-based sensor chips</i>                     | C. Farcau, N. M. Sangeetha, N. Decorde, S. Astilean, L. Ressler                                              | <a href="#">Nanoscale</a>                | 2012 | 4   | 7870   | 1 | 5 | 5   | 1.643 | 0.3286  | 1.643 |
| <i>Three Dimensional Design of Silver Nanoparticle Assemblies Embedded in Dielectrics for Raman Spectroscopy Enhancement and Dark-Field Imaging</i> | R. Carles, C. Farcau, C. Bonafos, G. Benassayag, M. Bayle, P. Benzo, J. Groenen, A. Zwick                    | <a href="#">ACS Nano</a>                 | 2011 | 5   | 8774   | 0 | 8 | 6.5 | 3.767 | 0.57954 | 0     |
| <i>High Sensitivity Strain Gauge Based on a Single Wire of Gold Nanoparticles Fabricated by Stop-and-Go Convective Self-Assembly</i>                | C. Farcau, N. M. Sangeetha, H. Moreira, B. Viallet, J. Grisolia, D. Ciuculescu-Pradines, L. Ressler          | <a href="#">ACS Nano</a>                 | 2011 | 5   | 7137   | 1 | 7 | 6   | 3.767 | 0.62783 | 3.767 |
| <i>Monolayered Wires of Gold Colloidal Nanoparticles for High-Sensitivity Strain Sensing</i>                                                        | C. Farcau, H. Moreira, B. Viallet, J. Grisolia, D. Ciuculescu-Pradines, C. Amiens, L. Ressler                | <a href="#">J. Phys. Chem. C</a>         | 2011 | 115 | 14494  | 1 | 7 | 6   | 1.342 | 0.22367 | 1.342 |
| <i>Simple Colloidal Lithography Approach to Generate Inexpensive Stamps for Polymer Nano-Patterning</i>                                             | C. Farcau, S. Astilean                                                                                       | <a href="#">Mat. Lett.</a>               | 2011 | 65  | 2190   | 1 | 2 | 2   | 0.583 | 0.2915  | 0.583 |
| <i>Stability of Ag nanocrystals synthesized by ultra-low energy ion implantation in SiO2 matrices</i>                                               | P. Benzo, L. Cattaneo, C. Farcau, A. Andreozzi, M. Perego, G. Benassayag, B. Pecassou, R. Carles, C. Bonafos | <a href="#">J. Appl. Phys.</a>           | 2011 | 109 | 103524 | 0 | 9 | 7   | 0.836 | 0.11943 | 0     |
| <i>Evidence of a surface plasmon-mediated mechanism in the generation of the SERS background</i>                                                    | C. Farcau, S. Astilean                                                                                       | <a href="#">Chem. Commun.</a>            | 2011 | 47  | 3861   | 1 | 2 | 2   | 1.552 | 0.776   | 1.552 |
| <i>Tunable Conductive Nanoparticle Wire Arrays Fabricated by Convective Self-assembly on Non-patterned Substrates</i>                               | C. Farcau, H. Moreira, B. Viallet, J. Grisolia, L. Ressler                                                   | <a href="#">ACS Nano</a>                 | 2010 | 4   | 7275   | 1 | 5 | 5   | 3.393 | 0.6786  | 3.393 |
| <i>Combining elastic and inelastic optical spectroscopies for multiscale probing of embedded nanoparticle architectures</i>                         | C. Farcau, C. Bonafos, P. Benzo, G. Benassayag, R. Carles                                                    | <a href="#">J. Appl. Phys.</a>           | 2010 | 108 | 093516 | 1 | 5 | 5   | 0.875 | 0.175   | 0.875 |

|                                                                                                                                                  |                                                                                                                  |                                            |      |     |        |   |   |     |       |         |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------|-----|--------|---|---|-----|-------|---------|-------|
| <i>Silicon nanoparticles produced by femtosecond laser ablation in ethanol: size control, structural characterization and optical properties</i> | P. G. Kuzmin, V.V. Bukin, S.V. Garnov, G.A. Shafeev, C. Farcau, R. Carles, B. Warrot-Fontrose, V. Guieu, G. Viau | <a href="#">J. Phys. Chem. C</a>           | 2010 | 114 | 15266  | 0 | 9 | 7   | 1.394 | 0.19914 | 0     |
| <i>Mapping the SERS Efficiency and Hot-Spots Localization on Gold Film over Nanospheres Substrates</i>                                           | C. Farcau, S. Astilean                                                                                           | <a href="#">J. Phys. Chem. C</a>           | 2010 | 114 | 11717  | 1 | 2 | 2   | 1.394 | 0.697   | 1.394 |
| <i>Silver half-shell arrays with controlled plasmonic response for fluorescence enhancement optimization</i>                                     | C. Farcau, S. Astilean                                                                                           | <a href="#">Appl. Phys. Lett.</a>          | 2009 | 95  | 193110 | 1 | 2 | 2   | 1.348 | 0.674   | 1.348 |
| <i>The synthesis of single layers of Ag nanocrystals by ultra-low-energy ion implantation for large-scale plasmonic structures</i>               | R. Carles, C. Farcau, C. Bonafos, G. Benassayag, B. Pécassou, A. Zwick                                           | <a href="#">Nanotechnol ogy</a>            | 2009 | 20  | 355305 | 0 | 6 | 5.5 | 1.164 | 0.21164 | 0     |
| <i>Disorder effects in reflectance spectra of colloidal photonic crystals</i>                                                                    | E. Vințeler, C. Farcău, S. Aștilean                                                                              | <a href="#">Nucl. Instr. and Meth. B</a>   | 2009 | 267 | 393    | 0 | 3 | 3   | 0.35  | 0.11667 | 0     |
| <i>The study of Raman enhancement efficiency as function of nanoparticle size and shape</i>                                                      | S. C. Boca, C. Farcau, S. Astilean                                                                               | <a href="#">Nucl. Instr. and Meth. B</a>   | 2009 | 267 | 406    | 0 | 3 | 3   | 0.35  | 0.11667 | 0     |
| <i>Experimental and theoretical investigation of optical properties of colloidal photonic crystal films</i>                                      | C. Farcău, E. Vinteler, S. Aștilean                                                                              | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 3165   | 1 | 3 | 3   | 0.113 | 0.03767 | 0.113 |
| <i>Designing the colour of photonic crystals for sensors applications</i>                                                                        | E. Vințeler, C. Farcău, S. Aștilean                                                                              | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 2298   | 0 | 3 | 3   | 0.113 | 0.03767 | 0     |
| <i>Periodically nanostructured noble-metal thin films with enhanced optical properties</i>                                                       | C. Farcau, V. Canpean, M. Gabor, T. Petrisor Jr., S. Astilean                                                    | <a href="#">Optoelectron. Adv. Mat.</a>    | 2008 | 10  | 809    | 1 | 5 | 5   | 0.113 | 0.0226  | 0.113 |
| <i>Raman investigation of some polymeric gels of pharmaceutical interest</i>                                                                     | M. Todica, E. Dinte, C.V. Pop, C. Farcau, S. Astilean                                                            | <a href="#">Optoelectron. Adv. Mat.</a>    | 2008 | 10  | 823    | 0 | 5 | 5   | 0.113 | 0.0226  | 0     |
| <i>deposited on twodimensional regular arrays of</i>                                                                                             | C. Farcau, S. Astilean                                                                                           | <a href="#">Appl. Opt.</a>                 | 2007 | 9   | 5345   | 1 | 2 | 2   | 0.618 | 0.309   | 0.618 |
| <i>Preliminary investigation by Raman spectroscopy of some polymeric matrix with pharmaceutical applications</i>                                 | M. Todica, C.V. Pop, E. Dinte, C. Farcau, S. Astilean                                                            | <a href="#">Mod. Phys. Lett. B</a>         | 2007 | 21  | 987    | 0 | 5 | 5   | 0.225 | 0.045   | 0     |
| <i>Shake-induced order in nanosphere systems</i>                                                                                                 | F. Járαι-Szabó, Z. Nédă, S. Aștilean, C. Farcău, A. Kuttesch                                                     | <a href="#">Eur. Phys. J. E</a>            | 2007 | 23  | 153    | 0 | 5 | 5   | 1.275 | 0.255   | 0     |
| <i>Understanding plasmonic properties and surface-enhanced Raman scattering of silver coated colloidal crystals</i>                              | C. Farcau, S. Astilean                                                                                           | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2007 | 9   | 772    | 1 | 2 | 2   | 0.161 | 0.0805  | 0.161 |

|                                                                                              |                        |                            |      |   |      |   |   |   |       |                |               |
|----------------------------------------------------------------------------------------------|------------------------|----------------------------|------|---|------|---|---|---|-------|----------------|---------------|
| <i>Optical and structural characterization of periodic silver-polystyrene nanocomposites</i> | C. Farcau, S. Astilean | Optoelectron.<br>Adv. Mat. | 2005 | 7 | 2721 | 1 | 2 | 2 | 0.161 | 0.0805         | 0.161         |
| <b>TOTAL</b>                                                                                 |                        |                            |      |   |      |   |   |   |       | <b>17.2517</b> | <b>41.391</b> |

**Note:**

Coloanele A-F pot fi prezentate și comasat.

Numărul efectiv de autori este calculat conform formulelor din Anexa nr. 3, OM 6129/2016:

$n$ , dacă  $n \leq 5$ ;  $(n + 5)/2$ , dacă  $5 < n \leq 15$ ;  $(n + 15)/3$ , dacă  $15 < n \leq 75$  și  $(n + 45)/4$ , dacă  $n > 75$ .

| Titlu articol                                                                                                                                                        | CITARI                                                                |                         |      |     |        |                        |                  |                                      |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|------|-----|--------|------------------------|------------------|--------------------------------------|--------|
|                                                                                                                                                                      | Autori                                                                | Jurnal                  | An   | Vol | Pag    | n<br>(numar<br>autori) | numar<br>efectiv | numar<br>citari (fara<br>autocitari) | c/n_ef |
| Plasmonic Nanosensors for EGFR Detection: Optimizing Aptamer-Based Competitive Displacement Assays                                                                   | A. Falamas, A.-S. Tatar, S. Boca, C. Farcău                           | Biosensors              | 2025 | 15  | 699    | 4                      | 4.00             | 0                                    | 0.00   |
| From molecules to nanoplastics SERS detection: new insights into the role of analyte on the plasmonic substrate design                                               | I. Cardan, V. Zani, A.M.M. Gherman, R. Signorini, R. Pilot, C. Farcau | Nanoscale               | 2025 | 17  | 25680  | 6                      | 5.50             | 0                                    | 0.00   |
| Plasmon-Enhanced Fluorescence of Polyvinylpyrrolidone-Embedded CdSeS/ZnS Quantum Dots on Gold Film over Nanospheres                                                  | A. Falamas, C. Farcău                                                 | Methods Appl. Fluoresc. | 2025 | 13  | 035003 | 2                      | 2.00             | 0                                    | 0.00   |
| The Role of Focused Laser Plasmonics in Shaping SERS Spectra of Molecules on Nanostructured Surfaces                                                                 | F. Nekvapil, C. Farcău                                                | Nanoscale Adv.          | 2025 | 7   | 3008   | 2                      | 2.00             | 0                                    | 0.00   |
| Dynamic Plasmonic Coupling in Gold Nanosphere Oligomers: Mechanically Tuned Red and Blue Shifts for SERS/SEF                                                         | I. Toth, C. Farcău                                                    | Biosensors              | 2025 | 15  | 181    | 2                      | 2.00             | 0                                    | 0.00   |
| A simple, rapid, and low-cost approach for colloidal nanoparticle-based Surface Enhanced Raman Scattering detection of endosulfan pesticide at trace levels          | A. Falamas, I. A. Brezestean, N. Tosa, S. Boca, C. Farcau             | Nano Express            | 2024 | 5   | 045006 | 5                      | 5.00             | 2                                    | 0.40   |
| Plasmonic structurally colored surfaces with metal film over microsphere lattices                                                                                    | F. Toadere, C. Farcău                                                 | Opt. Mater.             | 2024 | 156 | 115936 | 2                      | 2.00             | 3                                    | 1.50   |
| Large Enhancement of Photoluminescence Obtained in Thin Polyfluorene Films of Optimized Microstructure                                                               | O. Todor-Boer, C. Farcău, I. Botiz                                    | Polymers                | 2024 | 16  | 2278   | 3                      | 3.00             | 3                                    | 1.00   |
| Linear Arrays of Metal-Coated Microspheres: a Polarization –Sensitive Hybrid Colloidal Plasmonic-Photonic Crystal                                                    | C. Farcau                                                             | Eur. Phys. J. Plus      | 2023 | 138 | 1000   | 1                      | 1.00             | 2                                    | 2.00   |
| Self-Assembled PVP-Gold Nanostar Films as Plasmonic Substrates for Surface-Enhanced Spectroscopies: Influence of the Polymeric Coating on the Enhancement Efficiency | A.-S. Tatar, S. Boca, A. Falamas, D. Cuibus, C. Farcau                | Analyst                 | 2023 | 148 | 3992   | 5                      | 5.00             | 3                                    | 0.60   |

|                                                                                                                                                                |                                                                                                                                      |                                              |      |      |        |    |      |    |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|------|--------|----|------|----|-------|
| Gold vs silver colloidal nanoparticle films for optimized SERS detection of propranolol and electrochemical-SERS analyses                                      | C. M. Muntean, D. Cuibus, S. Boca, A. Fălămaș, N. Toșa, I. Brezeștean, A. Bende, L. Barbu-Tudoran, R. Moldovan, E. Bodoki, C. Farcău | Biosensors                                   | 2023 | 13   | 530    | 11 | 8.00 | 16 | 2.00  |
| Toward microfluidic SERS and EC-SERS applications via tunable gold films over nanospheres                                                                      | A. Falamas, D. Cuibus, N. Tosa, I. Brezestean, C. M. Muntean, K. Milenko, E. Vereshchagina, R. Moldovan, E. Bodoki, C. Farcau        | Discover Nano                                | 2023 | 18   | 73     | 10 | 7.50 | 11 | 1.47  |
| A simple approach for coffee-ring suppression yielding homogeneous drying patterns of ZnO and TiO2 nanoparticles                                               | I. Marica, M. Ștefan, S. Boca, A. Falamaș, C. Farcău                                                                                 | J. Colloid. Interface Sci.                   | 2023 | 635  | 117    | 5  | 5.00 | 15 | 3.00  |
| Surface enhanced fluorescence potential of ZnO nanoparticles and gold decorated ZnO nanostructures embedded in a polyvinyl alcohol matrix                      | A. Falamas, I. Marica, F. Nekvapil, M. Stefan, G. S. Macavei, L. Barbu-Tudoran, C. Farcau                                            | J Photochem. Photobiol. A                    | 2023 | 438  | 114516 | 7  | 6.00 | 7  | 1.17  |
| EC-SERS Detection of Thiabendazole in Apple Juice Using Activated Screen-Printed Electrodes                                                                    | R. Moldovan, K. Milenko, E. Vereshchagina, B.-C. Iacob, K. Schneider, C. Farcău, E. Bodoki                                           | Food Chem.                                   | 2023 | 405  | 134713 | 7  | 6.00 | 30 | 5.00  |
| Development of PMMA/RGO Composite Films as Thermal Interface Materials                                                                                         | R. Tarcan, M. Handrea-Dragan, C.-I. Leordean, R. C. Cioban, Z. Kiss, D. Zaharie-Butucel, C. Farcau, A. Vulpoi, S. Simon, I. Botiz    | J. Appl. Polym. Sci.                         | 2022 | 139  | e53238 | 10 | 7.50 | 5  | 0.67  |
| Silver nanoparticle films obtained by convective self-assembly for surface-enhanced Raman spectroscopy analyses of the pesticides thiabendazole and endosulfan | I. Brezestean, N. Tosa, A. Falamas, D. Cuibus, C. M. Muntean, A. Bende, B. Cozar, C. Berghian-Grosan, C. Farcau                      | Front. Chem.                                 | 2022 | 10   | 915337 | 9  | 7.00 | 10 | 1.43  |
| Zinc oxide nanostructures for fluorescence and Raman signal enhancement: a review                                                                              | I. Marica, F. Nekvapil, M. Ștefan, C. Farcău, A. Falamaș                                                                             | Beilstein J. Nanotechnol.                    | 2022 | 13   | 472    | 5  | 5.00 | 32 | 6.40  |
| Review on combining surface-enhanced Raman spectroscopy and electrochemistry for analytical applications                                                       | R. Moldovan, E. Vereshchagina, K. Milenko, B.-C. Iacob, A. E. Bodoki, A. Falamas, N. Tosa, C. M. Muntean, C. Farcău, E. Bodoki       | Anal. Chim. Acta                             | 2022 | 1209 | 339250 | 10 | 7.50 | 97 | 12.93 |
| Spheres-In-Grating Assemblies with Altered Photoluminescence and Wetting Properties                                                                            | I. M. Handrea-Dragan, A. Vulpoi, C. Farcău, I. Botiz                                                                                 | Nanomaterials                                | 2022 | 12   | 1084   | 4  | 4.00 | 2  | 0.50  |
| Development and evaluation of a gold nanourchin (GNU)-based sandwich architecture for SERS immunosensing in liquid                                             | A.-S. Tatar, C. Farcău, A. Vulpoi, S. Boca, S. Astilean                                                                              | Spectrochim. Acta A: Mol. Biomol. Spectrosc. | 2022 | 273  | 121069 | 5  | 5.00 | 9  | 1.80  |
| Tuning plasmons of metal-coated microsphere arrays towards optimized surface-enhanced spectroscopy                                                             | N. Nechita, C. Farcau                                                                                                                | Opt. Express                                 | 2021 | 29   | 42238  | 2  | 2.00 | 2  | 1.00  |

|                                                                                                                                                                                               |                                                                                                                                   |                      |      |      |        |    |      |    |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------|------|------|--------|----|------|----|-------|
| Silver film over nanospheres (AgFoN) as tri-modal plasmonic sensing platform for Surface Plasmon Resonance Spectroscopy, Surface-Enhanced Raman Scattering, and Surface-Enhanced Fluorescence | C. Farcau                                                                                                                         | J Mol. Struct.       | 2022 | 1250 | 131583 | 1  | 1.00 | 7  | 7.00  |
| Strategies for SERS detection of organochlorine pesticides                                                                                                                                    | R. Moldovan, B.-C. Iacob, C. Farcau, E. Bodoki, R. Oprean                                                                         | Nanomaterials        | 2021 | 11   | 304    | 5  | 5.00 | 48 | 9.60  |
| A new, fast and facile synthesis method for reduced graphene oxide in N,N-dimethylformamide                                                                                                   | R. Tarcan, M. Handrea-Dragan, O. Todor-Boer, I. Petrovai, C. Farcau, M. M. Rusu, A. Vulpoi Lazar, M. Todea, S. Astilean, I. Botiz | Synth. Met.          | 2020 | 269  | 116576 | 10 | 7.50 | 19 | 2.53  |
| Surface-enhanced fluorescence imaging on linear arrays of plasmonic half-shells                                                                                                               | C. Farcau, A. M. Craciun, R. A. L. Vallee                                                                                         | J Chem. Phys.        | 2020 | 153  | 164701 | 3  | 3.00 | 2  | 0.67  |
| Plasmonic photothermal heating of gold nanostars in a real-size container: multiscale modelling and experimental study                                                                        | A. M. M. Gherman, S. Boca, A. Vulpoi, M. V. Cristea, C. Farcau, V. Tosa                                                           | Nanotechnology       | 2020 | 31   | 125701 | 6  | 5.50 | 16 | 2.91  |
| Extraordinary optical transmission through titanium nitride-coated microsphere lattice                                                                                                        | A.M. M. Gherman, A. Vladescu, A. E. Kiss, C. Farcau                                                                               | Photonic Nanostruct. | 2020 | 38   | 100762 | 4  | 4.00 | 16 | 4.00  |
| Gold Nanopost-Shell Arrays Fabricated by Nanoimprint Lithography as a Flexible Plasmonic Sensing Platform                                                                                     | C. Farcau, D. Marconi, A. Colnita, I. Brezestean, L. Barbu-Tudoran                                                                | Nanomaterials        | 2019 | 9    | 1519   | 5  | 5.00 | 22 | 4.40  |
| Metal-coated microsphere monolayers as surface plasmon resonance sensors operating in both transmission and reflection modes                                                                  | C. Farcau                                                                                                                         | Sci. Rep.            | 2019 | 9    | 3683   | 1  | 1.00 | 20 | 20.00 |
| Hybrid architectures made of nonlinear-active and metal nanostructures for plasmon-enhanced harmonic generation                                                                               | A. Falamas, V. Tosa, C. Farcau                                                                                                    | Opt. Mater.          | 2019 | 88   | 653    | 3  | 3.00 | 7  | 2.33  |
| Corrosion and tribological performance of quasi-stoichiometric titanium containing carbonitride coatings                                                                                      | C. I. Pruncu, M. Braic, K. D. Dearn, C. Farcau, R. Watson, L. R. Constantin, M. Balaceanu, V. Braic, A. Vladescu                  | Arab. J. Chem.       | 2017 | 10   | 1015   | 9  | 7.00 | 17 | 2.43  |
| Shaping light spectra and field profiles in metal-coated monolayers of etched microspheres                                                                                                    | C. Tira, I. Ly, R. Vallee, S. Astilean, C. Farcau                                                                                 | Opt. Mat. Express    | 2017 | 7    | 2847   | 5  | 5.00 | 6  | 1.20  |
| Convective self-assembly of pi-conjugated oligomers and polymers                                                                                                                              | I. Botiz, M.A. Codescu, C. Farcau, C. Leordean, S. Astilean, C. Silva, N. Stingelin                                               | J. Mat. Chem. C      | 2017 | 5    | 2513   | 7  | 6.00 | 21 | 3.50  |
| Flexible transparent sensors from reduced graphene oxide micro-stripes fabricated by convective self-assembly                                                                                 | D. Zaharie-Butucel, L. Digianantonio, C. Leordean, L. Ressler, S. Astilean, C. Farcau                                             | Carbon               | 2017 | 113  | 361    | 6  | 5.50 | 21 | 3.82  |

|                                                                                                                       |                                                                                                                                          |                                           |      |      |         |    |      |    |       |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|---------|----|------|----|-------|
| Study of the molecular recognition mechanism of an ultrathin MIP film -based chiral electrochemical sensor            | B.-C. Iacob, E. Bodoki, C. Farcau, L. Barbu-Tudoran, R. Oprean                                                                           | <a href="#">Electrochim. Acta</a>         | 2016 | 217  | 195     | 5  | 5.00 | 36 | 7.20  |
| PDLC composites based on polyvinyl boric acid matrix – a promising pathway towards biomedical engineering             | D. Ailincai, C. Farcau, E. Paslaru, L. Marin                                                                                             | <a href="#">Liq. Cryst.</a>               | 2016 | 43   | 1973    | 4  | 4.00 | 41 | 10.25 |
| Effects of Zr, Nb, or Si addition on the microstructural, mechanical, and corrosion resistance of TiCN hard coatings  | L. Constantin, M. Braic, M. Dinu, M. Balaceanu, V. Braic, C. Farcau, A. Vladescu                                                         | <a href="#">Mater. Corros.</a>            | 2016 | 67   | 929     | 7  | 6.00 | 10 | 1.67  |
| Metanephrine neuroendocrine tumor marker detection by SERS using Au nanoparticle / Au film sandwich architecture      | S. Boca, C. Farcau, M. Baia, S. Astilean                                                                                                 | <a href="#">Biomed. Microdev.</a>         | 2016 | 18   | 12      | 4  | 4.00 | 7  | 1.75  |
| Chemiresistive / SERS dual sensor based on densely packed gold nanoparticles                                          | S. Boca, C. Leordean, S. Astilean, C. Farcau                                                                                             | <a href="#">Beilstein J. Nanotechnol.</a> | 2015 | 6    | 2498    | 4  | 4.00 | 4  | 1.00  |
| Polarized SERS on linear arrays of silver half-shells: SERS re-radiation modulated by local density of optical states | C. Farcau, R. A. L. Vallee, S. Boca, S. Astilean                                                                                         | <a href="#">J. Opt.</a>                   | 2015 | 17   | 1140007 | 4  | 4.00 | 5  | 1.25  |
| Surface modeling of nanopatterned polymer films obtained by colloidal templated electropolymerization                 | A. Cernat, E. Bodoki, C. Farcau, S. Aştilean, S. Griveau, F. Bedioui, R. Săndulescu                                                      | <a href="#">J. Nanosci. Nanotech.</a>     | 2015 | 15   | 3359    | 7  | 6.00 | 3  | 0.50  |
| A Novel Label-free Immunosensor Based on Activated Graphene Oxide for Acetaminophen Detection                         | M. Tertiş, O. Hosu, L. Fritea, C. Farcau, R. Săndulescu, C. Cristea                                                                      | <a href="#">Electroanalysis</a>           | 2015 | 27   | 638     | 6  | 5.50 | 28 | 5.09  |
| Surface-Enhanced Spectroscopy on Plasmonic Oligomers Assembled by AFM nanoxerography                                  | P. Moutet, N. M. Sangeetha, L. Ressler, N. Vilar-Vidal, M. Comesaña, S. Ravaine, R. A. L. Vallée, A. M. Gabudean, S. Astilean, C. Farcau | <a href="#">Nanoscale</a>                 | 2015 | 7    | 2009    | 10 | 7.50 | 16 | 2.13  |
| Covalent conjugation of carbon dots with Rhodamine B and assesment of their photophysical properties                  | A. Diac, M. Focsan, C. Socaci, A.-M. Gabudean, C. Farcau, D. Maniu, E. Vasile, A. Terec, L.M. Veca, S. Astilean                          | <a href="#">RSC Advances</a>              | 2015 | 5    | 77662   | 10 | 7.50 | 37 | 4.93  |
| Periodically Nanostructured Substrates for Surface Enhanced Raman Spectroscopy                                        | C. Farcau, S. Astilean                                                                                                                   | <a href="#">J. Mol. Struct.</a>           | 2014 | 1073 | 102     | 2  | 2.00 | 19 | 9.50  |
| Multiscale Electromagnetic SERS Enhancement on Self-Assembled Micro-Patterned Gold Nanoparticle Films                 | C. Leordean, M. Potara, S. Boca-Farcau, A. Vulpoi, S. Astilean, C. Farcau                                                                | <a href="#">J. Raman Spectr.</a>          | 2014 | 45   | 627     | 6  | 5.50 | 14 | 2.55  |
| Controlled synthesis of buried delta-layers of Ag nanocrystals for near-field plasmonic effects on free surfaces      | P. Benzo, C. Bonafos, M. Bayle, R. Carles, L. Cattaneo, C. Farcau, G. Benassayag, B. Pécassou, D. Muller                                 | <a href="#">J. Appl. Phys.</a>            | 2013 | 113  | 193505  | 9  | 7.00 | 20 | 2.86  |

|                                                                                                                                              |                                                                                                              |                                          |      |     |        |   |      |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------|------|-----|--------|---|------|-----|-------|
| Electron transport in gold colloidal nanoparticle based strain gauges                                                                        | H. Moreira, J. Grisolia, N. M. Sangeetha, N. Decorde, C. Farcau, B. Viallet, K. Chen, G. Viau, L. Ressler    | <a href="#">Nanotechnology</a>           | 2013 | 24  | 095701 | 9 | 7.00 | 72  | 10.29 |
| Polarization-sensitive linear plasmonic nanostructures via colloidal lithography with uni-axial colloidal arrays                             | V. Saracut, M. Giloan, M. Gabor, S. Astilean, C. Farcau                                                      | <a href="#">ACS Appl. Mat. Int.</a>      | 2013 | 5   | 1362   | 5 | 5.00 | 13  | 2.60  |
| Reliable plasmonic substrates for bioanalytical SERS applications easily prepared by convective assembly of gold nanocolloids                | C. Farcau, M. Potara, C. Leordean, S. Boca, S. Astilean                                                      | <a href="#">Analyst</a>                  | 2013 | 138 | 546    | 5 | 5.00 | 20  | 4.00  |
| Electrografted nanostructured platforms for click chemistry                                                                                  | Cernat, S. Griveau, P. Martin, J.-C. Lacroix, C. Farcau, R. Sandulescu, F. Bedioui                           | <a href="#">Electrochem. Commun.</a>     | 2012 | 23  | 141    | 7 | 6.00 | 23  | 3.83  |
| Understanding plasmon resonances in metal coated colloidal crystal monolayers                                                                | C. Farcau, M. Giloan, E. Vinteler, S. Astilean                                                               | <a href="#">Appl. Phys. B</a>            | 2012 | 106 | 849    | 4 | 4.00 | 34  | 8.50  |
| Chitosan-coated anisotropic silver nanoparticles as a SERS substrate for single-molecule detection                                           | M. Potara, M. Baia, C. Farcau, S. Astilean                                                                   | <a href="#">Nanotechnology</a>           | 2012 | 23  | 055501 | 4 | 4.00 | 105 | 26.25 |
| 3D Patterning of Ag Nanoparticles by ULE Ion Implantation and Stencil Soft Lithography for Plasmonic Device Applications                     | G. BenAssayag, C. Farcau, P. Benzo, L. Cattaneo, C. Bonafos, B. Pecassou, A. Zwick, R. Carles                | <a href="#">Nucl. Instr. and Meth. B</a> | 2012 | 272 | 214    | 8 | 6.50 | 10  | 1.54  |
| Microarrays of gold nanoparticle clusters fabricated by Stop&Go convective self-assembly for SERS-based sensor chips                         | C. Farcau, N. M. Sangeetha, N. Decorde, S. Astilean, L. Ressler                                              | <a href="#">Nanoscale</a>                | 2012 | 4   | 7870   | 5 | 5.00 | 25  | 5.00  |
| Three Dimensional Design of Silver Nanoparticle Assemblies Embedded in Dielectrics for Raman Spectroscopy Enhancement and Dark-Field Imaging | R. Carles, C. Farcau, C. Bonafos, G. Benassayag, M. Bayle, P. Benzo, J. Groenen, A. Zwick                    | <a href="#">ACS Nano</a>                 | 2011 | 5   | 8774   | 8 | 6.50 | 50  | 7.69  |
| High Sensitivity Strain Gauge Based on a Single Wire of Gold Nanoparticles Fabricated by Stop-and-Go Convective Self-Assembly                | C. Farcau, N. M. Sangeetha, H. Moreira, B. Viallet, J. Grisolia, D. Ciuculescu-Pradines, L. Ressler          | <a href="#">ACS Nano</a>                 | 2011 | 5   | 7137   | 7 | 6.00 | 139 | 23.17 |
| Monolayered Wires of Gold Colloidal Nanoparticles for High-Sensitivity Strain Sensing                                                        | C. Farcau, H. Moreira, B. Viallet, J. Grisolia, D. Ciuculescu-Pradines, C. Amiens, L. Ressler                | <a href="#">J. Phys. Chem. C</a>         | 2011 | 115 | 14494  | 7 | 6.00 | 101 | 16.83 |
| Simple Colloidal Lithography Approach to Generate Inexpensive Stamps for Polymer Nano-Patterning                                             | C. Farcau, S. Astilean                                                                                       | <a href="#">Mat. Lett.</a>               | 2011 | 65  | 2190   | 2 | 2.00 | 5   | 2.50  |
| Stability of Ag nanocrystals synthesized by ultra-low energy ion implantation in SiO2 matrices                                               | P. Benzo, L. Cattaneo, C. Farcau, A. Andreozzi, M. Perego, G. Benassayag, B. Pecassou, R. Carles, C. Bonafos | <a href="#">J. Appl. Phys.</a>           | 2011 | 109 | 103524 | 9 | 7.00 | 29  | 4.14  |

|                                                                                                                                                  |                                                                                                                  |                                            |      |     |        |   |      |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------|-----|--------|---|------|-----|-------|
| <i>Evidence of a surface plasmon-mediated mechanism in the generation of the SERS background</i>                                                 | C. Farcau, S. Astilean                                                                                           | <a href="#">Chem. Commun.</a>              | 2011 | 47  | 3861   | 2 | 2.00 | 34  | 17.00 |
| <i>Tunable Conductive Nanoparticle Wire Arrays Fabricated by Convective Self-assembly on Non-patterned Substrates</i>                            | C. Farcau, H. Moreira, B. Viallet, J. Grisolia, L. Ressler                                                       | <a href="#">ACS Nano</a>                   | 2010 | 4   | 7275   | 5 | 5.00 | 59  | 11.80 |
| <i>Combining elastic and inelastic optical spectroscopies for multiscale probing of embedded nanoparticle architectures</i>                      | C. Farcau, C. Bonafos, P. Benzo, G. Benassayag, R. Carles                                                        | <a href="#">J. Appl. Phys.</a>             | 2010 | 108 | 093516 | 5 | 5.00 | 5   | 1.00  |
| <i>Silicon nanoparticles produced by femtosecond laser ablation in ethanol: size control, structural characterization and optical properties</i> | P. G. Kuzmin, V.V. Bukin, S.V. Garnov, G.A. Shafeev, C. Farcau, R. Carles, B. Warrot-Fontrose, V. Guieu, G. Viau | <a href="#">J. Phys. Chem. C</a>           | 2010 | 114 | 15266  | 9 | 7.00 | 128 | 18.29 |
| <i>Mapping the SERS Efficiency and Hot-Spots Localization on Gold Film over Nanospheres Substrates</i>                                           | C. Farcau, S. Astilean                                                                                           | <a href="#">J. Phys. Chem. C</a>           | 2010 | 114 | 11717  | 2 | 2.00 | 150 | 75.00 |
| <i>Silver half-shell arrays with controlled plasmonic response for fluorescence enhancement optimization</i>                                     | C. Farcau, S. Astilean                                                                                           | <a href="#">Appl. Phys. Lett.</a>          | 2009 | 95  | 193110 | 2 | 2.00 | 41  | 20.50 |
| <i>The synthesis of single layers of Ag nanocrystals by ultra-low-energy ion implantation for large-scale plasmonic structures</i>               | R. Carles, C. Farcau, C. Bonafos, G. Benassayag, B. Pécassou, A. Zwick                                           | <a href="#">Nanotechnology</a>             | 2009 | 20  | 355305 | 6 | 5.50 | 34  | 6.18  |
| <i>Disorder effects in reflectance spectra of colloidal photonic crystals</i>                                                                    | E. Vințeler, C. Farcău, S. Aștilean                                                                              | <a href="#">Nucl. Instr. and Meth. B</a>   | 2009 | 267 | 393    | 3 | 3.00 | 4   | 1.33  |
| <i>The study of Raman enhancement efficiency as function of nanoparticle size and shape</i>                                                      | S. C. Boca, C. Farcau, S. Astilean                                                                               | <a href="#">Nucl. Instr. and Meth. B</a>   | 2009 | 267 | 406    | 3 | 3.00 | 35  | 11.67 |
| <i>Experimental and theoretical investigation of optical properties of colloidal photonic crystal films</i>                                      | C. Farcău, E. Vinteler, S. Aștilean                                                                              | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 3165   | 3 | 3.00 | 4   | 1.33  |
| <i>Designing the colour of photonic crystals for sensors applications</i>                                                                        | E. Vințeler, C. Farcău, S. Aștilean                                                                              | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 2298   | 3 | 3.00 | 0   | 0.00  |
| <i>Periodically nanostructured noble-metal thin films with enhanced optical properties</i>                                                       | C. Farcau, V. Canpean, M. Gabor, T. Petrisor Jr., S. Astilean                                                    | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 809    | 5 | 5.00 | 2   | 0.40  |
| <i>Raman investigation of some polymeric gels of pharmaceutical interest</i>                                                                     | M. Todica, E. Dinte, C.V. Pop, C. Farcau, S. Astilean                                                            | <a href="#">J. Optoelectron. Adv. Mat.</a> | 2008 | 10  | 823    | 5 | 5.00 | 3   | 0.60  |
| <i>Probing the unusual optical transmission of silver films deposited on twodimensional regular arrays of polystyrene microspheres</i>           | C. Farcau, S. Astilean                                                                                           | <a href="#">J. Opt. A: Pure Appl. Opt.</a> | 2007 | 9   | 5345   | 2 | 2.00 | 40  | 20.00 |

|                                                                                                              |                                                               |                            |      |    |      |   |      |    |        |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------|------|----|------|---|------|----|--------|
| Preliminary investigation by Raman spectroscopy of some polymeric matrix with pharmaceutical applications    | M. Todica, C.V. Pop, E. Dinte, C. Farcau, S. Astilean         | Mod. Phys. Lett. B         | 2007 | 21 | 987  | 5 | 5.00 | 1  | 0.20   |
| Shake-induced order in nanosphere systems                                                                    | F. Járari-Szabó, Z. Néda, S. Aştilean, C. Farcău, A. Kuttesch | Eur. Phys. J. E            | 2007 | 23 | 153  | 5 | 5.00 | 10 | 2.00   |
| Understanding plasmonic properties and surface-enhanced Raman scattering of silver coated colloidal crystals | C. Farcau, S. Astilean                                        | J. Optoelectron. Adv. Mat. | 2007 | 9  | 772  | 2 | 2.00 | 0  | 0.00   |
| Optical and structural characterization of periodic silver-polystyrene nanocomposites                        | C. Farcau, S. Astilean                                        | J. Optoelectron. Adv. Mat. | 2005 | 7  | 2721 | 2 | 2.00 | 7  | 3.50   |
| Total                                                                                                        |                                                               |                            |      |    |      |   |      |    | 465.07 |

**Note:**

Coloanele A-F pot fi prezentate și comasat.

Numărul efectiv de autori este calculat conform formulelor din Anexa nr. 3, OM 6129/2016.

$n$ , dacă  $n \leq 5$ ;  $(n + 5)/2$ , dacă  $5 < n \leq 15$ ;  $(n + 15)/3$ , dacă  $15 < n \leq 75$  și  $(n + 45)/4$ , dacă  $n > 75$ .

Citările trebuie să fie în reviste științifice cu factor de impact care se regăsesc în InCites Journal Citation Reports sau în cărți în edituri recunoscute Web of Science. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul.

Semnatura:



Director CSUD,  
Prof. dr. Anca -Mirela ANDREICA

Director SD Fizica  
Prof. dr. Vasile CHIS