

Indeplinirea standardelor indicatorilor I si P

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Numarul publicatiei	Referinta bibliografica	ai	ni	nefi	ai/neffi	Prim autor Autor corespondent?(0-Nu; 1-DA)	ai prim/coresp
1	Single-quantum nmr spinning-side-band patterns for spin-3/2 system Lupulescu, A., Fechete, R., Demco, D.E., Cozar, O. 1997 <i>Acta Physica Polonica A</i> 92 (6), pp. 1125-1134	0,117	4	4	0	0	0
2	Segmental anisotropy in strained elastomers by 1H NMR of multipolar spin states Fechete, R., Demco, D.E., Blümich, B. 2002 <i>Macromolecules</i> 35 (16), pp. 6083-6085	1,215	3	3	0,405	1	1,215
3	Segmental anisotropy in strained elastomers detected with a portable NMR scanner Hailu, K., Fechete, R., Demco, D.E., Blümich, B. 2002 <i>Solid State Nuclear Magnetic Resonance</i> 22 (2-3), pp. 327-343	0,498	4	4	0,1245	0	0
4	Simple NMR-MOUSE with a bar magnet Blümich, B., Anferov, V., Anferova, S., Klein, M., Fechete, R., Adams, M., Casanova, F. 2002 <i>Concepts in Magnetic Resonance Part B: Magnetic Resonance Engineering</i> 15 (4), pp. 255-261	0,571	7	5,667	0,10076	0	0
5	Chain orientation and slow dynamics in elastomers by mixed magic-Hahn echo decays Fechete, R., Demco, D.E., Blümich, B. 2003 <i>Journal of Chemical Physics</i> 118 (5), pp. 2411-2421	0,974	3	3	0,32467	1	0,974
6	An NMR-MOUSE® for analysis of thin objects Blümich, B., Anferov, V., Anferova, S., Klein, M., Fechete, R. 2003 <i>Macromolecular Materials and Engineering</i> 288 (4), pp. 312-317	0,578	5	5	0,1156	0	0

7	Anisotropy of collagen fiber orientation in sheep tendon by 1H double-quantum-filtered NMR signals Fecete, R., Demco, D.E., Blümich, B., Eliav, U., Navon, G. 2003 Journal of Magnetic Resonance 162 (1), pp. 166-175	0,857	5	5	0,1714	1	0,857
8	Residual dipolar couplings of soft solids by accordion magic sandwich Demco, D.E., Fecete, R., Blümich, B. 2003 Chemical Physics Letters 375 (3-4), pp. 406-412	0,763	3	3	0,25433	0	0
9	Self-diffusion anisotropy of small penetrants in compressed elastomers Fecete, R., Demco, D.E., Blümich, B. 2003 Macromolecules 36 (19), pp. 7155-7157	1,215	3	3	0,405	1	1,215
10	Self-diffusion measurements by a constant-relaxation method in strongly inhomogeneous magnetic fields Klein, M., Fecete, R., Demco, D.E., Blümich, B. 2003 Journal of Magnetic Resonance 164 (2), pp. 310-320	0,857	4	4	0,21425	0	0
11	Selective NMR excitation in strongly inhomogeneous magnetic fields Todica, M., Fecete, R., Blümich, B. 2003 Journal of Magnetic Resonance 164 (2), pp. 220-227	0,857	3	3	0,28567	0	0
12	Parameter maps of 1H residual dipolar couplings in tendon under mechanical load Fecete, R., Demco, D.E., Blümich, B. 2003 Journal of Magnetic Resonance 165 (1), pp. 9-17	0,857	3	3	0,28567	1	0,857
13	Order parameters of the orientation distribution of collagen fibers in Achilles tendon by 1H NMR of multipolar spin states Fecete, R., Demco, D.E., Blümich, B. 2003 NMR in Biomedicine 16 (8), pp. 479-483	1,244	3	3	0,41467	1	1,244
14	Enhanced sensitivity to residual dipolar couplings of elastomers by higher-order multiple-quantum NMR Fecete, R., Demco, D.E., Blümich, B. 2004 Journal of Magnetic Resonance 169 (1), pp. 19-26	0,857	3	3	0,28567	1	0,857
15	Thermo-oxidative aging of elastomers: A temperature control unit for operation with the NMR-MOUSE Anferova, S., Anferov, V., Adams, M., Fecete, R., Schroeder, G., Blümich, B. 2004 Applied Magnetic Resonance 27 (3-4), pp. 361-370	0,366	6	5,33	0,06867	0	0

16	Self-diffusion anisotropy of small penetrant molecules in deformed elastomers Demco, D.E., Rata, G., Fechete, R., Blümich, B. 2005 <i>Macromolecules</i> 38 (13), pp. 5647-5653	1,215	4	4	0,30375	0	0
17	Self-diffusion anisotropy of water in sheep Achilles tendon Fechete, R., Demco, D.E., Eliav, U., Blümich, B., Navon, G. 2005 <i>NMR in Biomedicine</i> 18 (8), pp. 577-586	1,244	5	5	0,2488	1	1,244
18	Selective saturation in strongly inhomogeneous magnetic fields Todica, M., Fechete, R., Blümich, B. 2005 <i>Applied Magnetic Resonance</i> 29 (4), pp. 655-667	0,366	3	3	0,122	0	0
19	Segmental dynamic heterogeneity of short-chain grafted-poly(dimethylsiloxane) by 1H spin-diffusion NMR Bertmer, M., Demco, D.E., Wang, M., Melian, C., Marcean-Chelcea, R.I., Fechete, R., Baias, M., Blümich, B. 2006 <i>Chemical Physics Letters</i> 431 (4-6), pp. 404-409	0,763	8	6	0,12717	0	0
20	Segmental order and dynamics of polymer networks using dipolar correlation effect measured in low field NMR Marcean-Chelcea, R., Fechete, R., Culea, E., Demco, D.E., Blümich, B. 2007 <i>AIP Conference Proceedings</i> 899, pp. 561	0	5	5	0	1	0
21	Microscopic and macroscopic properties correlations of polymer networks measured in low field NMR Marcean-Chelcea, R., Fechete, R., Culea, E., Demco, D.E., Blümich, B. 2007 <i>AIP Conference Proceedings</i> 899, pp. 567	0	5	5	0	1	0
22	Distributions of transverse relaxation times for soft-solids measured in strongly inhomogeneous magnetic fields Chelcea, R.I., Fechete, R., Culea, E., Demco, D.E., Blümich, B. 2009 <i>Journal of Magnetic Resonance</i> 196 (2), pp. 178-190	0,857	5	5	0,1714	1	0,857
23	Thermal denaturation of hydrated wool keratin by 1H solid-state NMR Baias, M., Demco, D.E., Popescu, C., Fechete, R., Melian, C., Blümich, B., Möller, M. 2009 <i>Journal of Physical Chemistry B</i> 113 (7), pp. 2184-2192	1,332	7	5,66	0,23534	0	0

24	Statistics of interatomic Ni-Ni bonds in Ni-Based ternary solid solutions with non-magnetic elements and their magnetic behavior Cosma, I., Culea, E., Fechet, R., Nicoară, S. 2009 Modern Physics Letters B 23 (9), pp. 1199-1206	0,144	4	4	0	0	0
25	Morphology and side-chain dynamics in hydrated hard α -keratin fibres by ^1H solid-state NMR Melian, C., Demco, D.E., Istrate, M., Balaceanu, A., Moldovan, D., Fechet, R., Popescu, C., Möller, M. 2009 Chemical Physics Letters 480 (4-6), pp. 300-304	0,763	8	6	0,12717	0	0
26	Immobilization of gadolinium in borate-tellurate glasses Rada, S., Culea, E., Rada, M., Maties, V., Bosca, M., Pop, L., Fechet, R., (...), Moldovan, D. 2009 Journal of Physics: Conference Series 182 (1), art. no. 012075	0	8	6	0	0	0
27	Heterogeneity of nanofilled EPDM elastomers investigated by inverse laplace transform ^1H NMR relaxometry and rheometrya Moldovan, D., Fechet, R., Demco, D.E., Culea, E., Blümich, B., Herrmann, V., Heinz, M. 2010 Macromolecular Chemistry and Physics 211 (14), pp. 1579-1594	0,696	7	5,66	0,12297	1	0,696
28	The heterogeneity of segmental dynamics of filled EPDM by ^1H transverse relaxation NMR Moldovan, D., Fechet, R., Demco, D.E., Culea, E., Blümich, B., Herrmann, V., Heinz, M. 2011 Journal of Magnetic Resonance 208 (1), pp. 156-162	0,857	7	5,66	0,15141	1	0,857
29	Channel orientation anisotropy in perfluorosulfonic acid/SiO ₂ composite proton exchange membranes: Water self-diffusion study using NMR, C. Filipoi, D. E. Demco, X. Zhu, R. Vinokur, O. Conradi, R. Fechet, M. Möller, Chemical Physics Letter, 513, 251–255 (2011)	0,763	7	5,66	0,13481	0	0
30	Morphology and molecular dynamics of hard α -keratin based micro-tubes by ^1H and ^{13}C solid-state NMR, L. Utiiu, D. E. Demco, R. Fechet, M. Möller, C. Popescu, Chem. Phys. Lett. 517 (1-3), 86-91, (2011)	0,763	5	5	0,1526	0	0

31	Investigation of the effects of degradation of high density polyethylene by 13C NMR spectroscopy and 1H relaxometry, Moldovan, D., Pop, M., Fechet, R., Baudouine, A., Todica, M., 2011, Studia Universitatis Babes-Bolyai Chemia (3) , pp. 103-110	0	5	5	0	0	0
32	13C NMR study of gamma irradiated polystyrene, Pop, M., Traian, S., Daraban, L., Fechet, R., 2011, Studia Universitatis Babes-Bolyai Chemia (3) , pp. 129-134	0	4	4	0	0	0
33	Investigate the effect of some plasticizers on the macrostructure of corn starch used to obtain biodegradable packaging, Cioica, N. , Fechet, R., Cozar, O., Cota, C., INMATEH - Agricultural Engineering, Volume 36, Issue 1, 2012, Pages 69-70	0	4	4	0	0	0
34	C. I. Horvat, X. Zhu, D. Türp, R. A. Vinokur, D. E. Demco, R. Fechet, O. Conradi, A. Graichen, D. Anokhin, D. A. Ivanov, M. Möller, Perfluorosulfonic acid ionomer – silica composite membranes prepared using hyperbranched polyethoxysiloxane for polymer electrolyte membrane fuel cells, Int. J. Hyd. Energy, 37 (19), 14454–14462 (2012).	0,725	11	7	0,10357	0	0
35	C. Filipoi, D. E. Demco, X. Zhu, R. Vinokur, O. Conradi, R. Fechet, M. Möller, Water self-diffusion anisotropy and electrical conductivity of perfluorosulfonic acid/SiO2 composite proton exchange membranes, Chem. Phys. Lett., (in press) Available online 17 October 2012, http://dx.doi.org/10.1016/j.cplett.2012.10.031	0,763	7	5,67	0,13457	0	0
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