Arkadiusz JÃ³zefczak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1303654/publications.pdf

Version: 2024-02-01

71	1,024	394421	526287
papers	citations	19 h-index	27 g-index

72	72	72	1028
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic properties and heating effect in bacterial magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 1521-1524.	2.3	48
2	Structuring from nanoparticles in oil-based ferrofluids. European Physical Journal E, 2011, 34, 28.	1.6	48
3	Magnetic nanoparticles for enhancing the effectiveness of ultrasonic hyperthermia. Applied Physics Letters, 2016, 108, 263701.	3.3	41
4	Efficient formation of oil-in-oil Pickering emulsions with narrow size distributions by using electric fields. Soft Matter, 2018, 14, 5140-5149.	2.7	40
5	Hyperthermic Effect in Suspension of Magnetosomes Prepared by Various Methods. IEEE Transactions on Magnetics, 2013, 49, 250-254.	2.1	39
6	Heating Induced by Therapeutic Ultrasound in the Presence of Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 11554-11564.	8.0	37
7	Formation of printable granular and colloidal chains through capillary effects and dielectrophoresis. Nature Communications, 2017, 8, 15255.	12.8	33
8	Ultrasonic investigation of magnetic nanoparticles suspension with PEG biocompatible coating. Journal of Magnetism and Magnetic Materials, 2011, 323, 1509-1516.	2.3	29
9	The Effect of Tissue-Mimicking Phantom Compressibility on Magnetic Hyperthermia. Nanomaterials, 2019, 9, 803.	4.1	28
10	The effect of magnetic nanoparticles on the acoustic properties of tissue-mimicking agar-gel phantoms. Journal of Magnetism and Magnetic Materials, 2017, 431, 172-175.	2.3	27
11	Influence of Magnetic Nanoparticles on the Focused Ultrasound Hyperthermia. Materials, 2018, 11, 1607.	2.9	26
12	Temperature Dependence of Particle Size Distribution in Transformer Oil-Based Ferrofluid. International Journal of Thermophysics, 2011, 32, 795-806.	2.1	24
13	A comparison between acoustic properties and heat effects in biogenic (magnetosomes) and abiotic magnetite nanoparticle suspensions. Journal of Magnetism and Magnetic Materials, 2016, 407, 92-100.	2.3	24
14	The influence of the concentration of ferroparticles in a ferrofluid on its magnetic and acoustic properties. Journal Physics D: Applied Physics, 2003, 36, 3120-3124.	2.8	23
15	Study of heating effect and acoustic properties of dextran stabilized magnetic fluid. Journal of Magnetism and Magnetic Materials, 2007, 311, 193-196.	2.3	23
16	Uses and limitation of different thermometers for measuring heating efficiency of magnetic fluids. Applied Thermal Engineering, 2016, 100, 1308-1318.	6.0	22
17	Magneto-ultrasonic heating with nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 474, 400-405.	2.3	20
18	The time dependence of the changes of ultrasonic wave velocity in ferrofluid under parallel magnetic field. Journal of Magnetism and Magnetic Materials, 2003, 256, 267-270.	2.3	19

#	ARTICLE	IF	CITATIONS
19	Heating Effect in Biocompatible Magnetic Fluid. International Journal of Thermophysics, 2007, 28, 1461-1469.	2.1	19
20	Effect of poly (ethylene glycol) coating on the magnetic and thermal properties of biocompatible magnetic liquids. Journal of Magnetism and Magnetic Materials, 2009, 321, 1505-1508.	2.3	19
21	Patchy colloidosomes â€“ an emerging class of structures. European Physical Journal: Special Topics, 2016, 225, 741-756.	2.6	19
22	Investigation of magnetic fluids by ultrasonic and magnetic methods. Ultrasonics, 2000, 38, 864-867.	3.9	18
23	Study of low concentrated ionic ferrofluid stability in magnetic field by ultrasound spectroscopy. Journal of Magnetism and Magnetic Materials, 2009, 321, 2225-2231.	2.3	18
24	Hysteresis of changes of ultrasonic wave absorption coefficient in a magnetic fluid caused by the magnetic field. Journal of Magnetism and Magnetic Materials, 2002, 252, 356-359.	2.3	17
25	Hyperthermia treatment of cancer cells by the application of targeted silk/iron oxide composite spheres. Materials Science and Engineering C, 2021, 120, 111654.	7.3	17
26	Ultrasonic Studies of Emulsion Stability in the Presence of Magnetic Nanoparticles. Advances in Condensed Matter Physics, 2015, 2015, 1-9.	1.1	16
27	Acoustic wave in a suspension of magnetic nanoparticle with sodium oleate coating. Journal of Nanoparticle Research, 2014, 16, 2271.	1.9	15
28	Sono-magnetic heating in tumor phantom. Journal of Magnetism and Magnetic Materials, 2020, 500, 166396.	2.3	15
29	The effect of magnetic particles covering the droplets on the heating rate of Pickering emulsions in the AC magnetic field. Journal of Molecular Liquids, 2020, 320, 114388.	4.9	15
30	Field-induced aggregates in a bilayer ferrofluid characterized by ultrasound spectroscopy. Journal of Physics Condensed Matter, 2006, 18, 1869-1876.	1.8	14
31	Ultrasonic determination of the particle size distribution in water-based magnetic liquid. Ultrasonics, 2008, 48, 594-597.	3.9	14
32	Heating Characteristics of Transformer Oil-Based Magnetic Fluids of Different Magnetic Particle Concentrations. International Journal of Thermophysics, 2011, 32, 876-885.	2.1	14
33	Effect of the Molecular Weight of Poly(ethylene glycol) on the Properties of Biocompatible Magnetic Fluids. International Journal of Thermophysics, 2012, 33, 640-652.	2.1	14
34	Structure characterization of the magnetosome solutions for hyperthermia study. Journal of Molecular Liquids, 2017, 235, 11-16.	4.9	13
35	Magnetic hyperthermia study of magnetosome chain systems in tissue-mimicking phantom. Journal of Molecular Liquids, 2020, 320, 114470.	4.9	13
36	Direction-Specific Release from Capsules with Homogeneous or Janus Shells Using an Ultrasound Approach. ACS Applied Materials & Interfaces, 2020, 12, 15810-15822.	8.0	13

#	ARTICLE	IF	CITATIONS
37	Acoustic properties of PEG biocompatible magnetic fluid under perpendicular magnetic field. Journal of Magnetism and Magnetic Materials, 2005, 293, 240-244.	2.3	12
38	The effect of particle aggregate shape on ultrasonic anisotropy in concentrated magnetic fluids. Journal Physics D: Applied Physics, 2015, 48, 175303.	2.8	12
39	Dependence of Ultrasonic and Magnetic Hyperthermia on the Concentration of Magnetic Nanoparticles. Acta Physica Polonica A, 2018, 133, 716-718.	0.5	12
40	Effects of biocompatible coating of nanoparticles on acoustics property of the magnetic fluid. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 265-268.	2.3	11
41	Rheological Study of Dextran-Modified Magnetite Nanoparticle Water Suspension. International Journal of Thermophysics, 2013, 34, 609-619.	2.1	10
42	Ultrasonic Properties of Magnetic Nanoparticles with an Additional Biocompatible Dextrane Layer. Archives of Acoustics, 2013, 38, 93-98.	0.8	10
43	Ultrasound control of oil-in-oil Pickering emulsions preparation. Journal Physics D: Applied Physics, 2020, 53, 085301.	2.8	9
44	The Effect of Particle Shell on Cooling Rates in Oil-in-Oil Magnetic Pickering Emulsions. Materials, 2020, 13, 4783.	2.9	9
45	The potential of magnetic heating for fabricating Pickering-emulsion-based capsules. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111070.	5.0	9
46	Viscosity Dependence of a Magnetic Fluid Nanoparticles Concentration. Acta Physica Polonica A, 2014, 126, 278-279.	0.5	8
47	Monitoring of Pickering emulsion stability during magnetic heating using ultrasound measurements. Measurement: Journal of the International Measurement Confederation, 2021, 178, 109431.	5.0	8
48	Ultrasound-triggered directional release from turmeric capsules. Particuology, 2021, 57, 19-27.	3.6	7
49	Magnetic mediators for ultrasound theranostics. Theranostics, 2021, 11, 10091-10113.	10.0	7
50	The measurements of anisotropy of ultrasound propagation and magnetic susceptibility in viscous ferrofluid. Ultrasonics, 2002, 40, 341-344.	3.9	6
51	Investigation of magnetic and hyperthermic effects in ferrofluids with PEG biocompatible surfactant. Journal of Physics: Conference Series, 2009, 149, 012111.	0.4	5
52	Investigation of Ultrasonic Emulsifying Processes of a Linseed Oil and Water Mixture. Archives of Acoustics, 2013, 38, 297-301.	0.8	5
53	Propagation of ultrasonic wave in magnetic Pickering emulsion under DC magnetic field. Journal of Magnetism and Magnetic Materials, 2022, 542, 168590.	2.3	5
54	Properties of Magnetosome Suspension under the Influence of Magnetic Field. Acta Physica Polonica A, 2015, 127, 629-631.	0.5	4

#	Article	IF	Citations
55	The influence of initial temperature on ultrasonic hyperthermia measurements. Applied Acoustics, 2020, 164, 107259.	3.3	4
56	The impact of ultrasound on Janus capsules at gel-liquid interface. Current Applied Physics, 2022, 38, 22-29.	2.4	4
57	The effect of the rate of magnetic field and temperature changes on the ultrasonic wave absorption coefficient in a magnetic fluid. Ultrasonics, 2000, 38, 868-871.	3.9	3
58	The comparative study of particle size distribution in magnetic fluids. European Physical Journal D, 2002, 52, A281-A284.	0.4	3
59	Application of the ultrasonic waves in structural investigation of ferrofluid. Ultrasonics, 2002, 40, 337-339.	3.9	3
60	Effects of the sweep rate of the magnetic field on the changes of ultrasonic wave velocity in magnetic fluid. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 474-476.	2.3	3
61	Effect of Poly(Ethylene Glycol) Coating on the Acoustic Properties of Biocompatible Magnetic Fluid. International Journal of Thermophysics, 2010, 31, 70-76.	2.1	3
62	Contribution of hysteresis loss to the hyperthermal effect in the cobalt magnetic fluid. Magnetohydrodynamics, 2008, 44, 191-200.	0.3	3
63	Elastic properties of bacterial magnetite nanoparticles suspension. Magnetohydrodynamics, 2013, 49, 411-415.	0.3	3
64	Ultrasound Study of Magnetic and Non-Magnetic Nanoparticle Agglomeration in High Viscous Media. Materials, 2022, 15, 3450.	2.9	3
65	Ultrasonic study of the effect of time of the ferrofluid exposure to magnetic field on its structure. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1691-E1692.	2.3	2
66	Acoustic and Magnetic Properties of a Dense Commercial Magnetic Fluid. European Physical Journal D, 2004, 54, 647-650.	0.4	2
67	Comparison of Magnetic and Non-Magnetic Nanoparticles as Sonosensitizers in Ultrasonic Hyperthermia. Acta Physica Polonica A, 2020, 137, 653-656.	0.5	2
68	Ultrasound transmission tomography-guided heating with nanoparticles. Measurement: Journal of the International Measurement Confederation, 2022, 197, 111345.	5.0	2
69	The Effect of a Magnetic Field on the Absorption Coefficient of Ultrasonic Wave in Biocompatible Ferrofluid. European Physical Journal D, 2004, 54, 651-654.	0.4	1
70	Chronicle. 59th Open Seminar on Acoustics Boszkowo, Poland, September 10â€“14, 2012. Archives of Acoustics, 2012, 37, 373-393.	0.8	0
71	The Effect of Sonication on Acoustic Properties of Biogenic Ferroparticle Suspension. Archives of Acoustics, 2016, 41, 161-168.	0.8	0