

Constantine V Yerin

List of Publications by Year in descending order

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36
papers

136
citations

1477746

6
h-index

1372195

10
g-index

36
all docs

36
docs citations

36
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of electric field upon the formation of particles cluster in magnetic fluid. Journal of Magnetism and Magnetic Materials, 2005, 289, 105-107.	1.0	19
2	Particles size distribution in diluted magnetic fluids. Journal of Magnetism and Magnetic Materials, 2017, 431, 27-29.	1.0	16
3	Structured media based on magnetic colloids as a promising material for magnetically controllable optical elements. Journal of Optical Technology (A Translation of Opticheski Zhurnal), 2021, 88, 158.	0.2	13
4	Effect of a change in the optical density of a magnetic emulsion in electric and magnetic fields. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 104, 277-281.	0.2	12
5	Birefringence and scattering of light in colloidal solutions of magnetite in kerosene. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2016, 120, 320-325.	0.2	9
6	Magneto-optic effect in water-based magnetic emulsions. Magnetohydrodynamics, 2018, 54, 5-10.	0.5	6
7	Experimental investigation of the dilute magnetic fluid transparency in a permanent magnetic field. Technical Physics, 2006, 51, 1203-1206.	0.2	5
8	Electric dipole moments of particle aggregates in magnetite colloidal solutions in liquid dielectrics. Colloid Journal, 2008, 70, 430-435.	0.5	5
9	Ellipsometry of magnetic fluid in a magnetic field. Journal of Magnetism and Magnetic Materials, 2020, 498, 166144.	1.0	5
10	Spectral dependences of the complex refractive index of concentrated magnetic fluids. Magnetohydrodynamics, 2018, 54, 157-162.	0.5	5
11	Electrooptical determination of magnetite colloidal particle mobility in liquid dielectrics. Colloid Journal, 2010, 72, 486-490.	0.5	4
12	On variations in size distributions of particles and aggregates upon dilution of magnetic fluids. Colloid Journal, 2017, 79, 50-55.	0.5	4
13	Magnetic Emulsions as Prospective Magneto-Optical Media. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	4
14	Change in the intensity of light scattering in a magnetite colloid under the simultaneous action of electric and magnetic fields. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 765-770.	0.2	3
15	Light scattering by aggregates of magnetite nanoparticles in a magnetic field. Technical Physics, 2007, 52, 1332-1335.	0.2	3
16	Formation and electrooptic investigation of the near-electrode space charge in colloidal solutions of magnetite in liquid dielectrics. Technical Physics, 2008, 53, 522-525.	0.2	3
17	Light Diffraction in Magnetic Emulsions with High Interfacial Tension. Colloid Journal, 2020, 82, 672-680.	0.5	3
18	Magneto-optical studies of aggregates of nanoparticles in colloidal solutions of magnetite. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 106, 858-862.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Electro- and magneto-optical measurements of electric field strength in magnetic colloids based on liquid dielectrics. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 79-84.	0.2	2
20	Change of the level of the kerosene-based magnetic colloid within the near-electrode area in an electric pulse field. Surface Engineering and Applied Electrochemistry, 2015, 51, 99-104.	0.3	2
21	Complex refractive index of concentrated magnetic fluids. EPJ Web of Conferences, 2018, 185, 09007.	0.1	2
22	Light diffraction in rotating magnetic emulsions in a magnetic field. AIP Advances, 2022, 12, .	0.6	2
23	Light scattering in colloidal solution of magnetite in electric and magnetic fields. Colloids and Surfaces B: Biointerfaces, 2007, 56, 161-162.	2.5	1
24	Using the electrooptic effect to study charge relaxation in colloidal solutions of magnetite. Technical Physics Letters, 2009, 35, 467-469.	0.2	1
25	Electrooptical effects in near-electrode layers in magnetic colloids based on liquid dielectrics. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2010, 109, 454-459.	0.2	1
26	An electro-optical study of electrophoresis of colloidal magnetite particles in kerosene in the field of near-electrode volume charge. Colloid Journal, 2015, 77, 20-24.	0.5	1
27	Study of the kinetics of space charge formation in colloidal magnetic nanoparticles in liquid dielectrics. Surface Engineering and Applied Electrochemistry, 2017, 53, 327-332.	0.3	1
28	Effect of the Variation in Permeability in a Magnetic Emulsion Subjected to Magnetic and Hydrodynamic Fields. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 878-880.	0.1	1
29	Effect of Magnetic Fields on the Optical Density of Magnetic Emulsions With Low Interfacial Tension. IEEE Magnetics Letters, 2022, 13, 1-5.	0.6	1
30	Kinetics of Electric Birefringence in Colloidal Solutions of Magnetic Particles. Colloid Journal, 2001, 63, 355-358.	0.5	0
31	Electric dipole moments of magnetite colloidal particles in liquid dielectrics. Colloid Journal, 2007, 69, 700-705.	0.5	0
32	Determination of Magnetic Moments of Magnetite Nanoparticles Aggregates by Optical Methods. Solid State Phenomena, 0, 152-153, 163-166.	0.3	0
33	Optical Properties of Aggregated Magnetic Fluid: Birefringence and Light Scattering. Solid State Phenomena, 0, 233-234, 314-317.	0.3	0
34	Investigation of magnetic emulsions in magnetic field by rotating test-tube method. Journal of Physics: Conference Series, 2019, 1389, 012054.	0.3	0
35	Field dependence of magneto-optic effect in magnetic colloid with superparamagnetic particles. Journal of Physics: Conference Series, 2019, 1389, 012055.	0.3	0
36	10.1007/s11449-008-2022-9. , 2010, 104, 277.		0