Alexei Voytylov

List of Publications by Year
in descending order

21	98	1307594 7	1474206 9
papers	citations	h-index	g-index

21	21	21	85
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical methods for inverse problems in electrooptics of polydisperse colloids. Colloids and Surfaces B: Biointerfaces, 2007, 56, 121-125.	5.0	13
2	Theoretical and experimental approaches to the electro-optical study of boehmite nanoparticles with given morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124095.	4.7	10
3	Electrooptical effects in colloid systems subjected to short pulses of strong electric field. Journal of Physics Condensed Matter, 2010, 22, 494106.	1.8	9
4	Static, dynamic and electric light scattering by aqueous colloids of diamond. Diamond and Related Materials, 2016, 69, 177-182.	3.9	9
5	Electro-optical effects in disperse systems in strong electric fields of arbitrary shape. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 114-119.	4.7	8
6	Electro-optic research of polarizability dispersion in aqueous polydisperse suspensions of nanodiamonds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 40-49.	4.7	8
7	Determination of distribution of colloidal particles on their parameters in electro-optical investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 209, 123-129.	4.7	7
8	Analysis of polydispersity of macromolecular and nanodisperse systems by electrooptical methods. Polymer Science - Series C, 2010, 52, 93-104.	1.7	6
9	Stability of tungsten(VI) oxide dispersions in electrolyte solutions. Colloid Journal, 2011, 73, 834-840.	1.3	4
10	Electro-optical studies of the dispersion of the polarizability of colloidal diamond particles in water-salt solutions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 122, 440-446.	0.6	4
11	Coagulation of aqueous nanodisperse graphite suspensions in the presence of multivalent ions. Diamond and Related Materials, 2020, 101, 107599.	3.9	4
12	Relaxation of an electrooptical effect in colloids induced by a field of short pulses. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 104, 930-934.	0.6	3
13	Electrooptic properties of aqueous suspensions of nanotubes based on magnesium hydrosilicate. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 106, 50-55.	0.6	3
14	Light refraction in aqueous suspensions of diamond particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 417-422.	4.7	3
15	Magnetooptical phenomena in disperse systems in uniform linearly oriented magnetic fields. Colloid Journal, 2007, 69, 144-151.	1.3	2
16	Structure of aqueous dispersions of Mg3Si2O5(OH)4 nanotubes. Russian Journal of Applied Chemistry, 2008, 81, 207-211.	0.5	2
17	Electrooptical properties of aqueous suspensions of nickel hydrosilicate nanotubes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2012, 112, 64-71.	0.6	1
18	Experiment control and data aquisition in electro-optical research. , 2014, , .		1

#	Article	IF	Citations
19	Diamond particles aggregation in aqueous electrolytes with multivalent ions. Diamond and Related Materials, 2022, 124, 108910.	3.9	1
20	Algorithms of electro-optical effect calculation in nanodisperse systems. AIP Conference Proceedings, 2017, , .	0.4	0
21	Penalty function method of ill-posed problems solutions in electro-optical and spectroscopy intensity fluctuation methods. AIP Conference Proceedings, 2017, , .	0.4	0