

# Alexei Voytylov

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

98  
citations

1307594

7  
h-index

1474206

9  
g-index

21  
all docs

21  
docs citations

21  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diamond particles aggregation in aqueous electrolytes with multivalent ions. <i>Diamond and Related Materials</i> , 2022, 124, 108910.	3.9	1
2	Coagulation of aqueous nanodisperse graphite suspensions in the presence of multivalent ions. <i>Diamond and Related Materials</i> , 2020, 101, 107599.	3.9	4
3	Theoretical and experimental approaches to the electro-optical study of boehmite nanoparticles with given morphology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124095.	4.7	10
4	Light refraction in aqueous suspensions of diamond particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 417-422.	4.7	3
5	Electro-optical studies of the dispersion of the polarizability of colloidal diamond particles in water-salt solutions. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017, 122, 440-446.	0.6	4
6	Algorithms of electro-optical effect calculation in nanodisperse systems. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
7	Penalty function method of ill-posed problems solutions in electro-optical and spectroscopy intensity fluctuation methods. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
8	Static, dynamic and electric light scattering by aqueous colloids of diamond. <i>Diamond and Related Materials</i> , 2016, 69, 177-182.	3.9	9
9	Electro-optic research of polarizability dispersion in aqueous polydisperse suspensions of nanodiamonds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 40-49.	4.7	8
10	Experiment control and data acquisition in electro-optical research. , 2014, , .		1
11	Electro-optical effects in disperse systems in strong electric fields of arbitrary shape. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 114-119.	4.7	8
12	Electrooptical properties of aqueous suspensions of nickel hydrosilicate nanotubes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2012, 112, 64-71.	0.6	1
13	Stability of tungsten(VI) oxide dispersions in electrolyte solutions. <i>Colloid Journal</i> , 2011, 73, 834-840.	1.3	4
14	Analysis of polydispersity of macromolecular and nanodisperse systems by electrooptical methods. <i>Polymer Science - Series C</i> , 2010, 52, 93-104.	1.7	6
15	Electrooptical effects in colloid systems subjected to short pulses of strong electric field. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 494106.	1.8	9
16	Electrooptic properties of aqueous suspensions of nanotubes based on magnesium hydrosilicate. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2009, 106, 50-55.	0.6	3
17	Structure of aqueous dispersions of Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> nanotubes. <i>Russian Journal of Applied Chemistry</i> , 2008, 81, 207-211.	0.5	2
18	Relaxation of an electrooptical effect in colloids induced by a field of short pulses. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2008, 104, 930-934.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Numerical methods for inverse problems in electrooptics of polydisperse colloids. Colloids and Surfaces B: Biointerfaces, 2007, 56, 121-125.	5.0	13
20	Magneto-optical phenomena in disperse systems in uniform linearly oriented magnetic fields. Colloid Journal, 2007, 69, 144-151.	1.3	2
21	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