Alexander A Mistonov

List of Publications by Year
in descending order

23	284	933447 10	888059 17
papers	citations	h-index	g-index

23	23	23	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of Artificial Opals by Electric-Field-Assisted Vertical Deposition. Langmuir, 2010, 26, 2346-2351.	3.5	56
2	Three-dimensional artificial spin ice in nanostructured Co on an inverse opal-like lattice. Physical Review B, 2013, 87, .	3.2	29
3	Structural and magnetic properties of inverse opal photonic crystals studied by x-ray diffraction, scanning electron microscopy, and small-angle neutron scattering. Physical Review B, 2009, 79, .	3.2	24
4	Magnetic topology of Co-based inverse opal-like structures. Physical Review B, 2011, 84, .	3.2	21
5	Determination of the real structure of artificial and natural opals on the basis of three-dimensional reconstructions of reciprocal space. JETP Letters, 2009, 90, 272-277.	1.4	20
6	Electric-field-assisted self-assembly of colloidal particles. Physics of the Solid State, 2011, 53, 1126-1130.	0.6	17
7	Microwave properties of Ni-based ferromagnetic inverse opals. Physical Review B, 2012, 86, .	3.2	16
8	Ultrasmall-angle X-ray scattering analysis of photonic crystal structure. Journal of Experimental and Theoretical Physics, 2009, 109, 29-34.	0.9	13
9	Magnetic structure of the inverse opal-like structures: Small angle neutron diffraction and micromagnetic simulations. Journal of Magnetism and Magnetic Materials, 2019, 477, 99-108.	2.3	13
10	DIRECT OBSERVATION OF THE SHELL-LIKE STRUCTURE OF SiO₂ PARTICLES SYNTHESIZED BY THE MULTISTAGE STÃ–BER METHOD. Nano, 2013, 08, 1350036.	1.0	11
11	Electronic structure studies of bismuth compounds using high energy resolution X-ray spectroscopy and ab initio calculations. Journal of Alloys and Compounds, 2018, 753, 646-654.	5.5	11
12	Ice rule for a ferromagnetic nanosite network on the face-centered cubic lattice. Journal of Experimental and Theoretical Physics, 2015, 120, 844-850.	0.9	10
13	Magnetic properties and FORC analysis of iron nanowire arrays. Materials Today Communications, 2020, 25, 101609.	1.9	10
14	Exploring the 3D structure and defects of a self-assembled gold mesocrystal by coherent X-ray diffraction imaging. Nanoscale, 2021, 13, 10425-10435.	5.6	8
15	Spin-ice behavior of three-dimensional inverse opal-like magnetic structures: Micromagnetic simulations. Journal of Magnetism and Magnetic Materials, 2017, 441, 609-619.	2.3	6
16	Magnetic properties of the SiO2(Co)/GaAs interface: Polarized neutron reflectometry and SQUID magnetometry. Physical Review B, 2012, 86, .	3.2	4
17	Study of Inverse Ni-based Photonic Crystal using the Microradian X-ray Diffraction. Journal of Physics: Conference Series, 2010, 247, 012029.	0.4	3
18	Analysis of the imperfection of opal-like photonic crystals synthesized on conducting substrates. Physics of the Solid State, 2010, 52, 1087-1091.	0.6	3

#	Article	IF	Citations
19	Small-angle X-ray diffraction investigation of twinned opal-like structures. Physics of the Solid State, 2012, 54, 2073-2082.	0.6	3
20	Dependence of the inverse opal magnetic form-factor on the degree of sintering: Micromagnetic study. Physica B: Condensed Matter, 2018, 549, 107-112.	2.7	3
21	Water in the crystal structure of NaBiO3-based phase: A spectroscopical insight. Materials Chemistry and Physics, 2022, 286, 126156.	4.0	2
22	Lattice dynamics in FeSi measured by inelastic x-ray scattering. Journal of Physics Condensed Matter, 2019, 31, 265402.	1.8	1
23	Optical and microradian x-ray diffraction from opal-like films: Transition from 2D to 3D regimes. , 2011, , .		0