matzui Kudmila

List of Publications by Citations

71 papers	965 citations	16 h-index	29 g-index
78 ext. papers	1,159 ext. citations	1.8 avg, IF	4.29 L-index

#	Paper	IF	Citations
71	Control of electromagnetic properties in substituted M-type hexagonal ferrites. *Journal of Alloys and Compounds*, **2018**, 754, 247-256	5.7	118
70	Investigation into the structural features and microwave absorption of doped barium hexaferrites. *Dalton Transactions*, **2017**, 46, 9010-9021	4.3	106
69	Magnetic anisotropy of the graphite nanoplatelet–epoxy and MWCNT–epoxy composites with aligned barium ferrite filler. *Journal of Materials Science*, **2017**, 52, 5345-5358	4.3	90
68	Effect of gallium doping on electromagnetic properties of barium hexaferrite. *Journal of Physics and Chemistry of Solids*, **2017**, 111, 142-152	3.9	86
67	Functional Magnetic Composites Based on Hexaferrites: Correlation of the Composition, Magnetic and High-Frequency Properties. *Nanomaterials*, **2019**, 9,	5.4	75
66	Effect of Ga content on magnetic properties of BaFe12−xGaxO19/epoxy composites. *Journal of Materials Science*, **2020**, 55, 9385-9395	4.3	34
65	The Effect of Filler Morphology and Distribution on Electrical and Shielding Properties of Graphite-Epoxy Composites. *Molecular Crystals and Liquid Crystals*, **2011**, 535, 179-188	0.5	34
64	Structure–electrical resistivity relationship of N-doped multi-walled carbon nanotubes. *Journal of Materials Science*, **2012**, 47, 2390-2395	4.3	27
63	Transport Properties of Composites with Carbon Nanotube-Based Composites. *Fullerenes Nanotubes and Carbon Nanostructures*, **2005**, 13, 259-265	1.8	26
62	The effect of boron nitride on electrical conductivity of nanocarbon-polymer composites. *Journal of Materials Science*, **2014**, 49, 2098-2105	4.3	25
61	Structure and magnetic properties of multi-walled carbon nanotubes modified with iron. *Low Temperature Physics*, **2010**, 36, 1086-1090	0.7	23
60	Electrical Properties of Composite Materials with Electric Field-Assisted Alignment of Nanocarbon Fillers. *Nanoscale Research Letters*, **2017**, 12, 471	5	22
59	Electromagnetic Properties of Carbon Nanotube/BaFeGaO/Epoxy Composites with Random and Oriented Filler Distributions. *Nanomaterials*, **2021**, 11,	5.4	19
58	Thermal characterization of expanded graphite and its composites. *Inorganic Materials*, **2007**, 43, 597-601	0.9	17
57	Electromagnetic shielding properties of epoxy composites with hybrid filler nanocarbon/BaTiO3. *Materials Chemistry and Physics*, **2020**, 240, 122234	4.4	17
56	Thermo-Exfoliated Graphite Containing CuO/Cu2(OH)3NO3:(Co2+/Fe3+) Composites: Preparation, Characterization and Catalytic Performance in CO Conversion. *Materials*, **2010**, 3, 572-584	3.5	16
55	Mechanical and electrical properties of the epoxy composites with graphite nanoplatelets and carbon nanotubes. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 336-341	1.6	15

54	Resistance of a Nanocarbon Material Containing Nanotubes. *Molecular Crystals and Liquid Crystals*, **2007**, 468, 289/[641]-297/[649]	0.5	14
53	Polyethylene Composites with Segregated Carbon Nanotubes Network: Low Frequency Plasmons and High Electromagnetic Interference Shielding Efficiency. *Materials*, **2020**, 13,	3.5	13
52	Microwave properties of epoxy composites with mixed filler carbon nanotubes/BaTiO3. *Applied Nanoscience (Switzerland)*, **2020**, 10, 2759-2767	3.3	12
51	Development of carbon nanotube□polymer composites with oriented distribution of MWCNTs induced by electric field. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 2718-2722	1.6	11
50	Electrical conductivity of epoxy resin filled with graphite nanoplatelets and boron nitride. *Materialwissenschaft Und Werkstofftechnik*, **2013**, 44, 254-258	0.9	11
49	Magnetoresistance of nanocarbon materials based on carbon nanotubes. *Low Temperature Physics*, **2011**, 37, 819-823	0.7	11
48	Electromagnetic losses in carbon□epoxy composites. *Materials Science and Engineering C*, **2007**, 27, 1007-1009	0.9	10
47	Effects of Dispersion and Ultraviolet/Ozonolysis Functionalization of Graphite Nanoplatelets on the Electrical Properties of Epoxy Nanocomposites. *Springer Proceedings in Physics*, **2016**, 477-491	0.2	9
46	C□□o Nanocomposite Materials. *Inorganic Materials*, **2003**, 39, 1147-1153	0.9	9
45	Conductive and Shielding Properties of MWCNTs/Polymer Nanocomposites with Aligned Filler Distribution. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2016**, 251-271	0.2	8
44	Dielectric and microwave shielding properties of three-phase composites graphite nanoplatelets/carbonyl iron/epoxy resin. *Applied Nanoscience (Switzerland)*, **2020**, 10, 4781-4790	3.3	7
43	High-frequency absorption properties of gallium weakly doped barium hexaferrites. *Philosophical Magazine*, **2019**, 99, 585-605	1.6	7
42	Optimization of multilayer electromagnetic shields: A genetic algorithm approach. *Materialwissenschaft Und Werkstofftechnik*, **2016**, 47, 263-271	0.9	6
41	Phonon Drag in GIC Based on Disordered Graphite. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 319-324		5
40	Asymmetric magnetoresistance in the graphite intercalation compounds with cobalt. *Molecular Crystals and Liquid Crystals*, **2016**, 639, 137-150	0.5	5
39	Microwave Properties of One-dimensional Photonic Structures Based on Composite Layers Filled with Nanocarbon. *Nanoscale Research Letters*, **2017**, 12, 269	5	4
38	Transport Properties of Epoxy-Binary Filler Composites. *Molecular Crystals and Liquid Crystals*, **2014**, 589, 195-201	0.5	4
37	Fluid Dynamics in Subnanometer Channels of Carbon Nanotubes. *Fullerenes Nanotubes and Carbon Nanostructures*, **2005**, 13, 287-291	1.8	4

36	Dielectric properties of epoxy composites with mixed fillers including graphite nanoplatelets/BaTiO3. *Molecular Crystals and Liquid Crystals*, **2018**, 671, 67-77	0.5	4
35	Electrodynamic properties of the nanocarbon/polymer composites with aligned by magnetic field secondary non-conductive component **2015**,		3
34	Extraordinary synergy in the thermal and electric properties of polymer matrix reinforced with hybrid fillers. *Materialwissenschaft Und Werkstofftechnik*, **2016**, 47, 278-287	0.9	3
33	Peculiarities of Charge Transfer in Graphite Intercalation Compounds with Bromine and Iodine Chloride. *Springer Proceedings in Physics*, **2017**, 771-787	0.2	3
32	Weak localization and interaction effects in acceptor graphite intercalation compounds. *Low Temperature Physics*, **2017**, 43, 703-707	0.7	3
31	Electrical and Thermal Conductivity of Ternary Composites Graphite Nanoplatelets/TiO2/Epoxy. *Journal of Nano- and Electronic Physics*, **2019**, 11, 03007-1-03007-7	1.5	3
30	Electrical properties of epoxy composites with carbon nanotubes, mixed with TiO2 or Fe particles. *Applied Nanoscience (Switzerland)*, **2021**, 11, 1827-1837	3.3	3
29	Complex permittivity of polymer-based composites with carbon nanotubes in microwave band. *Applied Nanoscience (Switzerland)*, **2020**, 10, 2691-2697	3.3	3
28	Dielectric Properties and AC Conductivity of Epoxy/Hybrid Nanocarbon Filler Composites. *Springer Proceedings in Physics*, **2018**, 377-393	0.2	2
27	Thermal stability of graphite-Cobalt nanocomposite materials. *Inorganic Materials*, **2006**, 42, 19-23	0.9	2
26	Investigation of the Thermoexfoliation Process in Different Acceptor GICs. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 197-202		2
25	Resistivity of Graphite Intercalation Compounds with Bromine and Aluminum Chloride under the Pressure. *Journal of Nano- and Electronic Physics*, **2017**, 9, 03002-1-03002-7	1.5	2
24	Impedance characterization and microwave permittivity of multi-walled carbon nanotubes/BaTiO3/epoxy composites. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	2
23	Percolation characteristics of multi-polymer composites with different ratios of nanocarbon fillers. *Molecular Crystals and Liquid Crystals*, **2020**, 699, 97-110	0.5	2
22	Modeling of gradient composite structures for shielding of microwaves. *Molecular Crystals and Liquid Crystals*, **2016**, 639, 105-114	0.5	2
21	Dielectric properties of composite materials containing aligned carbon nanotubes. *Inorganic Materials*, **2016**, 52, 1198-1203	0.9	2
20	Dielectric Properties of Nanocarbon Polymer Composites with Binary Filler. *Springer Proceedings in Physics*, **2017**, 855-871	0.2	1
19	Polymer Nanocomposites with Hybrid Fillers as Materials with Controllable Electrodynamic Characteristics for Microwave Devices. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2019**, 91-112	0.2	1

18	Thermodynamic Model of Thermoexfoliation. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 203-209		1
17	Low-temperature magnetoresistance of multi-walled carbon nanotubes with perfect structure. *Low Temperature Physics*, **2022**, 48, 89-98	0.7	1
16	Electrodynamic properties of epoxy composites with mixed filler graphite nanoplatelets + TiO2. *Molecular Crystals and Liquid Crystals*, **2020**, 700, 22-29	0.5	1
15	Microwave shielding and absorbing properties of single- and multilayered structures based on two-phase filler/epoxy composites. *Applied Nanoscience (Switzerland)*,1	3.3	1
14	Electrical and thermal properties of epoxy composites filled with carbon nanotubes and inorganic particles. *Molecular Crystals and Liquid Crystals*, **2021**, 717, 109-120	0.5	1
13	The effect of graphite functionalization on electrical and shielding properties of epoxy composites. *Molecular Crystals and Liquid Crystals*, **2016**, 639, 94-104	0.5	1
12	Complex permittivity of epoxy composites with carbon nanotubes and TiO2 in microwave range. *Molecular Crystals and Liquid Crystals*, **2021**, 717, 121-127	0.5	1
11	Phase transitions in the graphite intercalation compound with bromine. *Molecular Crystals and Liquid Crystals*, **2018**, 672, 41-53	0.5	1
10	Influence type filler on tunnel conductivity in composites. *Molecular Crystals and Liquid Crystals*, **2018**, 674, 76-91	0.5	1
9	Microwave absorption in epoxy composites filled with MoS2 and carbon nanotubes. *Journal of Applied Physics*, **2022**, 131, 035103	2.5	0
8	Electrical and electromagnetic interference shielding properties of GNP-NiFe hybrid composite with segregate structure of conductive networks. *Journal of Applied Physics*, **2022**, 131, 055110	2.5	0
7	The Effect of Ultraviolet Irradiation on the Electro-transport Properties of Carbon Nanotubes. *Springer Proceedings in Physics*, **2019**, 145-163	0.2	
6	Semiconducting and Optical Properties of Compact Graphene-Like Nanoparticles of Molybdenum Disulfide. *Springer Proceedings in Physics*, **2017**, 845-854	0.2	
5	ELECTROPHYSICAL PROPERTIES OF THE NANOCARBON MATERIALS **2007**, 149-154		
4	Thermopower of Pregraphitic Carbons. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 361-366		
3	Thermal Desorption of Graphite Intercalated by SbCl5. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 313-318		
2	Intercalated multiwall carbon nanotubes with cobalt: structure and properties. *Molecular Crystals and Liquid Crystals*, **2021**, 718, 80-91	0.5	
1	Peculiarities of phase transformations in graphite intercalation compounds with bromine. *Molecular Crystals and Liquid Crystals*,1-7	0.5	