# matzui Kudmila

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 78 papers | 1,395 citations | 430843 18 h-index | 345203 36 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 1200 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Control of electromagnetic properties in substituted M-type hexagonal ferrites. Journal of Alloys and Compounds, 2018, 754, 247-256. | 5.5 | 214 |
| 2 | Investigation into the structural features and microwave absorption of doped barium hexaferrites. Dalton Transactions, 2017, 46, 9010-9021. | 3.3 | 136 |
| 3 | Magnetic anisotropy of the graphite nanoplateletâ€“epoxy and MWCNTâ€“epoxy composites with aligned barium ferrite filler. Journal of Materials Science, 2017, 52, 5345-5358. | 3.7 | 117 |
| 4 | Effect of gallium doping on electromagnetic properties of barium hexaferrite. Journal of Physics and Chemistry of Solids, 2017, 111, 142-152. | 4.0 | 99 |
| 5 | Functional Magnetic Composites Based on Hexaferrites: Correlation of the Composition, Magnetic and High-Frequency Properties. Nanomaterials, 2019, 9, 1720. | 4.1 | 90 |
| 6 | Effect of Ga content on magnetic properties of BaFe12â^'xGaxO19/epoxy composites. Journal of Materials Science, 2020, 55, 9385-9395. | 3.7 | 65 |
| 7 | Electromagnetic Properties of Carbon Nanotube/BaFe12â^'xGaxO19/Epoxy Composites with Random and Oriented Filler Distributions. Nanomaterials, 2021, 11, 2873. | 4.1 | 64 |
| 8 | 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. | 0.9 | 40 |
| 9 | High-frequency absorption properties of gallium weakly doped barium hexaferrites. Philosophical Magazine, 2019, 99, 585-605. | 1.6 | 39 |
| 10 | Structureâ€“electrical resistivity relationship of N-doped multi-walled carbon nanotubes. Journal of Materials Science, 2012, 47, 2390-2395. | 3.7 | 31 |
| 11 | Electrical Properties of Composite Materials with Electric Field-Assisted Alignment of Nanocarbon Fillers. Nanoscale Research Letters, 2017, 12, 471. | 5.7 | 31 |
| 12 | The effect of boron nitride on electrical conductivity of nanocarbon-polymer composites. Journal of Materials Science, 2014, 49, 2098-2105. | 3.7 | 29 |
| 13 | Transport Properties of Composites with Carbon Nanotubeâ€Based Composites. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 259-265. | 2.1 | 28 |
| 14 | Polyethylene Composites with Segregated Carbon Nanotubes Network: Low Frequency Plasmons and High Electromagnetic Interference Shielding Efficiency. Materials, 2020, 13, 1118. | 2.9 | 25 |
| 15 | Thermo-Exfoliated Graphite Containing CuO/Cu2(OH)3NO3:(Co2+/Fe3+) Composites: Preparation, Characterization and Catalytic Performance in CO Conversion. Materials, 2010, 3, 572-584. | 2.9 | 24 |
| 16 | Structure and magnetic properties of multi-walled carbon nanotubes modified with iron. Low Temperature Physics, 2010, 36, 1086-1090. | 0.6 | 23 |
| 17 | Electromagnetic shielding properties of epoxy composites with hybrid filler nanocarbon/BaTiO3. Materials Chemistry and Physics, 2020, 240, 122234. | 4.0 | 22 |
| 18 | Thermal characterization of expanded graphite and its composites. Inorganic Materials, 2007, 43, 597-601. | 0.8 | 18 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | 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. | 1.8 | 17 |
| 20 | Microwave properties of epoxy composites with mixed filler carbon nanotubes/BaTiO3. Applied Nanoscience (Switzerland), 2020, 10, 2759-2767. | 3.1 | 17 |
| 21 | Resistance of a Nanocarbon Material Containing Nanotubes. Molecular Crystals and Liquid Crystals, 2007, 468, 289/[641]-297/[649]. | 0.9 | 16 |
| 22 | Attenuation of electromagnetic radia- tion by graphite-epoxy composites. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA. | 0.8 | 16 |
| 23 | Electrical conductivity of epoxy resin filled with graphite nanoplatelets and boron nitride. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 254-258. | 0.9 | 13 |
| 24 | 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. | 1.8 | 12 |
| 25 | Optimization of multilayer electromagnetic shields: A genetic algorithm approach. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 263-271. | 0.9 | 12 |
| 26 | Câ€“Co Nanocomposite Materials. Inorganic Materials, 2003, 39, 1147-1153. | 0.8 | 11 |
| 27 | Electromagnetic losses in carbonâ€“epoxy composites. Materials Science and Engineering C, 2007, 27, 1007-1009. | 7.3 | 11 |
| 28 | Magnetoresistance of nanocarbon materials based on carbon nanotubes. Low Temperature Physics, 2011, 37, 819-823. | 0.6 | 11 |
| 29 | 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 | 11 |
| 30 | Dielectric and microwave shielding properties of three-phase composites graphite nanoplatelets/carbonyl iron/epoxy resin. Applied Nanoscience (Switzerland), 2020, 10, 4781-4790. | 3.1 | 11 |
| 31 | Asymmetric magnetoresistance in the graphite intercalation compounds with cobalt. Molecular Crystals and Liquid Crystals, 2016, 639, 137-150. | 0.9 | 10 |
| 32 | 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. | 0.3 | 8 |
| 33 | Phonon Drag in GIC Based on Disordered Graphite. Molecular Crystals and Liquid Crystals, 2000, 340, 319-324. | 0.3 | 7 |
| 34 | Microwave shielding and absorbing properties of single- and multilayered structures based on two-phase filler/epoxy composites. Applied Nanoscience (Switzerland), 0, , 1. | 3.1 | 7 |
| 35 | Complex permittivity of polymer-based composites with carbon nanotubes in microwave band. Applied Nanoscience (Switzerland), 2020, 10, 2691-2697. | 3.1 | 6 |
| 36 | Impedance characterization and microwave permittivity of multi-walled carbon nanotubes/BaTiO3/epoxy composites. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 6 |

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|---|---|---|---|
| 37 | Transport Properties of Epoxy-Binary Filler Composites. Molecular Crystals and Liquid Crystals, 2014, 589, 195-201. | 0.9 | 5 |
| 38 | Dielectric properties of composite materials containing aligned carbon nanotubes. Inorganic Materials, 2016, 52, 1198-1203. | 0.8 | 5 |
| 39 | Extraordinary synergy in the thermal and electric properties of polymer matrix reinforced with hybrid fillers. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 278-287. | 0.9 | 5 |
| 40 | Microwave Properties of One-dimensional Photonic Structures Based on Composite Layers Filled with Nanocarbon. Nanoscale Research Letters, 2017, 12, 269. | 5.7 | 5 |
| 41 | Electrical properties of epoxy composites with carbon nanotubes, mixed with TiO2 or Fe particles. Applied Nanoscience (Switzerland), 2021, 11, 1827-1837. | 3.1 | 5 |
| 42 | Electrical and electromagnetic interference shielding properties of GNP-NiFe hybrid composite with segregate structure of conductive networks. Journal of Applied Physics, 2022, 131, . | 2.5 | 5 |
| 43 | Fluid Dynamics in Subnanometer Channels of Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 287-291. | 2.1 | 4 |
| 44 | Peculiarities of Charge Transfer in Graphite Intercalation Compounds with Bromine and Iodine Chloride. Springer Proceedings in Physics, 2017, , 771-787. | 0.2 | 4 |
| 45 | Weak localization and interaction effects in acceptor graphite intercalation compounds. Low Temperature Physics, 2017, 43, 703-707. | 0.6 | 4 |
| 46 | Dielectric properties of epoxy composites with mixed fillers including graphite nanoplatelets/BaTiO<sub>3</sub>. Molecular Crystals and Liquid Crystals, 2018, 671, 67-77. | 0.9 | 4 |
| 47 | Percolation characteristics of multi-polymer composites with different ratios of nanocarbon fillers. Molecular Crystals and Liquid Crystals, 2020, 699, 97-110. | 0.9 | 4 |
| 48 | Electrical and Thermal Conductivity of Ternary Composites Graphite Nanoplatelets/TiO2/Epoxy. Journal of Nano- and Electronic Physics, 2019, 11, 03007-1-03007-7. | 0.5 | 4 |
| 49 | Microwave absorption in epoxy composites filled with MoS2 and carbon nanotubes. Journal of Applied Physics, 2022, 131, 035103. | 2.5 | 4 |
| 50 | Thermal stability of graphite-Cobalt nanocomposite materials. Inorganic Materials, 2006, 42, 19-23. | 0.8 | 3 |
| 51 | Magnetic properties of cobaltâ€carbon nanocomposites. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1264-1268. | 0.8 | 3 |
| 52 | Electrodynamic properties of the nanocarbon/polymer composites with aligned by magnetic field secondary non-conductive component. , 2015, , . | | 3 |
| 53 | Electrical and thermal properties of epoxy composites filled with carbon nanotubes and inorganic particles. Molecular Crystals and Liquid Crystals, 2021, 717, 109-120. | 0.9 | 3 |
| 54 | Low-temperature magnetoresistance of multi-walled carbon nanotubes with perfect structure. Low Temperature Physics, 2022, 48, 89-98. | 0.6 | 3 |

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|---|---|---|---|
| 55 | Thermopower of Pregraphitic Carbons. Molecular Crystals and Liquid Crystals, 2000, 340, 361-366. | 0.3 | 2 |
| 56 | Investigation of the Thermoexfoliation Process in Different Acceptor GICs. Molecular Crystals and Liquid Crystals, 2000, 340, 197-202. | 0.3 | 2 |
| 57 | Modeling of gradient composite structures for shielding of microwaves. Molecular Crystals and Liquid Crystals, 2016, 639, 105-114. | 0.9 | 2 |
| 58 | Dielectric Properties of Nanocarbon Polymer Composites with Binary Filler. Springer Proceedings in Physics, 2017, , 855-871. | 0.2 | 2 |
| 59 | Dielectric Properties and AC Conductivity of Epoxy/Hybrid Nanocarbon Filler Composites. Springer Proceedings in Physics, 2018, , 377-393. | 0.2 | 2 |
| 60 | Magnetoresistance of Modified Carbon Nanotubes. Journal of Nano- and Electronic Physics, 2017, 9, 01018-1-01018-7. | 0.5 | 2 |
| 61 | 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. | 0.5 | 2 |
| 62 | Thermal Desorption of Graphite Intercalated by SbCl<sub>5</sub>. Molecular Crystals and Liquid Crystals, 2000, 340, 313-318. | 0.3 | 1 |
| 63 | Thermodynamic Model of Thermoexfoliation. Molecular Crystals and Liquid Crystals, 2000, 340, 203-209. | 0.3 | 1 |
| 64 | The effect of graphite functionalization on electrical and shielding properties of epoxy composites. Molecular Crystals and Liquid Crystals, 2016, 639, 94-104. | 0.9 | 1 |
| 65 | Phase transitions in the graphite intercalation compound with bromine. Molecular Crystals and Liquid Crystals, 2018, 672, 41-53. | 0.9 | 1 |
| 66 | Influence type filler on tunnel conductivity in composites. Molecular Crystals and Liquid Crystals, 2018, 674, 76-91. | 0.9 | 1 |
| 67 | The Effect of Ultraviolet Irradiation on the Electro-transport Properties of Carbon Nanotubes. Springer Proceedings in Physics, 2019, , 145-163. | 0.2 | 1 |
| 68 | 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. | 0.3 | 1 |
| 69 | Electrodynamic properties of epoxy composites with mixed filler graphite nanoplateletsâ€‰+â€‰TiO<sub>2</sub>. Molecular Crystals and Liquid Crystals, 2020, 700, 22-29. | 0.9 | 1 |
| 70 | Complex permittivity of epoxy composites with carbon nanotubes and TiO<sub>2</sub> in microwave range. Molecular Crystals and Liquid Crystals, 2021, 717, 121-127. | 0.9 | 1 |
| 71 | The Structural Studies of Phase Transitions in the Graphite Intercalation Compounds with Iodine Chloride and Bromine. Journal of Nano- and Electronic Physics, 2019, 11, 04002-1-04002-6. | 0.5 | 1 |
| 72 | Electrotransport Properties of Irradiated with Ultraviolet Carbon Nanotubes. Journal of Nano- and Electronic Physics, 2016, 8, 01016-1-01016-4. | 0.5 | 1 |

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|---|---|---|---|
| 73 | ELECTROPHYSICAL PROPERTIES OF THE NANOCARBON MATERIALS. , 2007, , 149-154. | | 0 |
| 74 | Semiconducting and Optical Properties of Compact Graphene-Like Nanoparticles of Molybdenum Disulfide. Springer Proceedings in Physics, 2017, , 845-854. | 0.2 | 0 |
| 75 | Intercalated multiwall carbon nanotubes with cobalt: structure and properties. Molecular Crystals and Liquid Crystals, 2021, 718, 80-91. | 0.9 | 0 |
| 76 | Peculiarities of phase transformations in graphite intercalation compounds with bromine. Molecular Crystals and Liquid Crystals, 0, , 1-7. | 0.9 | 0 |
| 77 | Electrical Conductivity of Fine Crystalline Graphite under the Influence of the Hydrostatic Pressure. Journal of Nano- and Electronic Physics, 2016, 8, 02017-1-02017-4. | 0.5 | 0 |
| 78 | Interface Interaction as a Factor of Dielectric Properties of Epoxy-based Composites with Graphite Nanoplatelets. Journal of Nano- and Electronic Physics, 2019, 11, 02032-1-02032-5. | 0.5 | 0 |