

Valentin Suslyaev

List of Publications by Year in descending order

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54
papers

394
citations

758635

12
h-index

839053

18
g-index

54
all docs

54
docs citations

54
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Co/multi-walled carbon nanotubes/polyethylene composites for microwave absorption: Tuning the effectiveness of electromagnetic shielding by varying the components ratio. <i>Composites Science and Technology</i> , 2021, 207, 108731.	3.8	27
2	An investigation of electromagnetic response of composite polymer materials containing carbon nanostructures within the range of frequencies 10 MHz – 1.1 THz. <i>Russian Physics Journal</i> , 2013, 55, 970-976.	0.2	26
3	Correlation between manufacturing processes and anisotropic magnetic and electromagnetic properties of carbon nanotube/polystyrene composites. <i>Composites Part B: Engineering</i> , 2016, 91, 505-512.	5.9	26
4	Electrophysical and Electromagnetic Properties of Pure MWNTs and MWNT/PMMA Composite Materials Depending on Their Structure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 505-515.	1.0	25
5	Structural and Physical Properties of MWNT/Polyolefine Composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 510-518.	1.0	25
6	Investigation of electromagnetic properties of MWCNT aerogels produced via catalytic ethylene decomposition. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2519-2523.	0.7	23
7	Effect of fabrication method on the structure and electromagnetic response of carbon nanotube/polystyrene composites in low-frequency and Ka bands. <i>Composites Science and Technology</i> , 2014, 102, 59-64.	3.8	22
8	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2437-2443.	0.7	21
9	Terahertz dielectric properties of multiwalled carbon nanotube/polyethylene composites. <i>Materials Research Express</i> , 2017, 4, 106201.	0.8	21
10	Structural and magnetic properties of SHS-produced multiphase W-Type hexaferrites: Influence of radiation-thermal treatment. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2015, 24, 148-151.	0.2	20
11	Radiation-thermal synthesis of W-type hexaferrites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 81, 012003.	0.3	18
12	Structure and static and dynamic magnetic properties of Sr(Co _x Ti _x)Fe ₁₂ O ₁₉ hexaferrites produced by self-propagating high-temperature synthesis. <i>Russian Physics Journal</i> , 2013, 55, 869-877.	0.2	14
13	Composite radio-absorbing material based on carbonyl iron for millimeter wavelength range. <i>Russian Physics Journal</i> , 2011, 53, 874-876.	0.2	13
14	Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , 2018, 29, 174003.	1.3	11
15	Electrical Properties of Carbon Foam in the Microwave Range. <i>Russian Physics Journal</i> , 2017, 59, 1703-1709.	0.2	9
16	Structure parameters and magnetic properties of Me ₂ W ₁ cobalt-containing hexaferrite systems synthesized by the SHS method. <i>Russian Physics Journal</i> , 2011, 53, 974-982.	0.2	7
17	Interaction of microwave radiation with composites containing nanosized hexaferrite, multiferroics, carbon nanostructures and silicon binder. <i>International Journal of Nanotechnology</i> , 2015, 12, 200.	0.1	7
18	Electrophysical and Thermophysical Characteristics of a Multifunctional Composite Polyurethane-Based Material. <i>Russian Physics Journal</i> , 2014, 57, 1094-1098.	0.2	5

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19	Small-sized body influence on the quality factor increasing of quasioptical open resonator. Optical and Quantum Electronics, 2017, 49, 1.	1.5	5
20	Dielectric Properties of Marsh Vegetation in a Frequency Range of 0.1–18 GHz Under Variation of Temperature and Moisture. Russian Physics Journal, 2017, 60, 803-811.	0.2	5
21	Physical Characteristics of Foam Glass Modified with Zirconium Dioxide. Russian Physics Journal, 2017, 59, 2130-2136.	0.2	5
22	Title is missing!. Instruments and Experimental Techniques, 2003, 46, 672-676.	0.1	4
23	Dielectric Permittivity of Polymer Composites with Encapsulated Liquid Crystals in Strong Electric Fields. Russian Physics Journal, 2013, 56, 902-907.	0.2	4
24	Porous material for protection from electromagnetic radiation. , 2014, , .		4
25	Electrophysical Characteristics of a Foam Glass Crystal Material. Russian Physics Journal, 2014, 56, 990-996.	0.2	4
26	Radioabsorbing Materials Based on Polyurethane with Carbon Fillers. Advanced Materials Research, 0, 1040, 137-141.	0.3	4
27	Characterization of porous glass-ceramic material as absorber of electromagnetic radiation. IOP Conference Series: Materials Science and Engineering, 2015, 81, 012036.	0.3	4
28	Comparative Analysis of Electromagnetic Response of PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT Composites. Russian Physics Journal, 2016, 59, 278-283.	0.2	4
29	Magnetic studies of polystyrene/iron-filled multi-wall carbon nanotube composite films. Journal of Magnetism and Magnetic Materials, 2016, 415, 51-56.	1.0	4
30	Magnetic permeability spectra of nanosized powders of hexaferrites. Journal of Structural Chemistry, 2004, 45, S103-S105.	0.3	3
31	Investigation of dynamic magnetic characteristics of composite mixes based on hexaferrite nanopowders. Russian Physics Journal, 2008, 51, 986-993.	0.2	3
32	Electrophysical Properties of Composites Based on Atactic Polypropylene. Russian Physics Journal, 2014, 57, 306-311.	0.2	2
33	Computer simulation of processes of radiation-thermal heating. IOP Conference Series: Materials Science and Engineering, 2015, 81, 012054.	0.3	2
34	Effective magnetic permeability of a composite material based on nanoscale hexaferrite particles. International Journal of Nanotechnology, 2015, 12, 192.	0.1	2
35	Effect of magnetic field treatment on the electromagnetic properties of polymer composite based on barium hexaferrite at microwave frequencies. AIP Conference Proceedings, 2016, , .	0.3	2
36	Analysis of Mechanical and Thermogravimetric Properties of Composite Materials Based on PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT. Russian Physics Journal, 2017, 60, 717-722.	0.2	2

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37	Electromagnetic response of the three-layer construction on the basis of barium hexaferrite and a foam glass. IOP Conference Series: Materials Science and Engineering, 2017, 168, 012099.	0.3	2
38	The effect of volume inclusions of the ZnGeP ₂ single-crystal on the dispersion of the refraction index and the absorption coefficient in mid-IR and terahertz ranges of wavelengths. Optical Materials, 2021, 111, 110662.	1.7	2
39	Use of an irregular microstrip resonator to investigate microwave properties of dielectrics with broad conductivity ranges. Measurement Techniques, 1992, 35, 992-994.	0.2	1
40	Dielectric properties of marsh vegetation. Proceedings of SPIE, 2015, , .	0.8	1
41	The foam-glass material for a radio frequency echoless chambers. IOP Conference Series: Materials Science and Engineering, 2016, 110, 012086.	0.3	1
42	SHS-produced Co ₂ +Ti ⁴⁺ -doped barium and strontium hexaferrites: Static and dynamic magnetic properties. International Journal of Self-Propagating High-Temperature Synthesis, 2016, 25, 203-209.	0.2	1
43	Properties of Polydisperse Tin-doped Dysprosium and Indium Oxides. MATEC Web of Conferences, 2017, 96, 00010.	0.1	1
44	The electromagnetic characteristics of the composites based on hexaferrites and MCNT at gigahertz and terahertz frequency bands. , 2017, , .		1
45	A composite material with controllable electromagnetic characteristics for the terahertz frequency range. Journal of Applied Physics, 2022, 131, 064103.	1.1	1
46	Research of Electromagnetic Properties of Composite Materials on the Basis of MWNTs in Microwave Range. Advanced Materials Research, 2014, 1040, 142-147.	0.3	0
47	Electromagnetic Characteristics of Thin Polyethylene-Carbon-Polyethylene Films. Russian Physics Journal, 2015, 58, 629-634.	0.2	0
48	Electromagnetic properties of LaCa ₃ Fe ₅ O ₁₂ in the microwave range. IOP Conference Series: Materials Science and Engineering, 2016, 110, 012106.	0.3	0
49	Analysis and reoperation of the magnetic permeability spectra of textured composite based on Z-type hexaferrite by using Cramers-Kronig relations. IOP Conference Series: Materials Science and Engineering, 2017, 168, 012072.	0.3	0
50	Electromagnetic Characteristics of Composite Coatings with ITO Filler. Russian Physics Journal, 2017, 59, 1515-1517.	0.2	0
51	Electrophysical characteristics of water of the rivers of Siberia and Altai. Proceedings of SPIE, 2016, , .	0.8	0
52	Quasi-optical 2D system for non-contact non-destructive testing of defects in natural and artificial crystals. , 2017, , .		0
53	Evaluation of the possibility of using remote methods for the classification of water sources for specific electrical conductivity. , 2018, , .		0
54	Spectral characteristics of the pyroelectric detector sensitivity based on tetraaminodiphenyl in visible, IR and THz-ranges. Proceedings of the Russian Higher School Academy of Sciences, 2019, , 57-69.	0.1	0