Alexander S Sokolov

List of Publications by Year
in descending order

13	245	1040056 9	1125743 13
papers	citations	h-index	g-index

13	13	13	248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetic shielding effectiveness of amorphous metallic spheroidal- and flake-based magnetodielectric composites. Journal of Materials Science and Technology, 2021, 83, 256-263.	10.7	13
2	Stoichiometry, phase, and texture evolution in PLD-Grown hexagonal barium ferrite films as a function of laser process parameters. Journal of Alloys and Compounds, 2020, 814, 152301.	5.5	32
3	BaFe12O19 magnetoplumbite films grown on SiO2/Si substrates for widescale magnetic film semiconductor systems integration. Scripta Materialia, 2020, 188, 190-194.	5.2	6
4	Broadband free space impedance in Co2Z hexaferrites by substitution of high valency heavy transition metal ions for miniaturized RF devices. Applied Physics Letters, 2020, 116, .	3.3	10
5	High-Performance Metallic Amorphous Magnetic Flake-Based Magnetodielectric Inductors. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	6
6	The Self-Biased Circulator: Ferrite Materials Design and Process Considerations. Journal of Superconductivity and Novel Magnetism, 2019, 32, 97-108.	1.8	43
7	Tailoring magnetic properties of self-biased hexaferrites using an alternative copolymer of isobutylene and maleic anhydride. AIP Advances, 2018, 8, .	1.3	10
8	3D crystallographic alignment of alumina ceramics by application of low magnetic fields. Journal of the European Ceramic Society, 2018, 38, 5257-5263.	5.7	13
9	Single-Point FMR Linewidth Measurement by TE₁₀Rectangular Transmission Cavity Perturbation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3772-3780.	4.6	14
10	Broadband ferromagnetic resonance linewidth measurement by a microstripline transmission resonator. Applied Physics Letters, 2016, 108, .	3.3	14
11	Recent Advances in Numerical Simulation of Propagation of EM Waves in the Earth's Ionosphere. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1433-1437.	3.1	2
12	Low loss factor Co2Z ferrite composites with equivalent permittivity and permeability for ultra-high frequency applications. Applied Physics Letters, 2014, 105, .	3.3	51
13	Crystallographically textured self-biased W-type hexaferrites for X-band microwave applications. Journal of Applied Physics, 2013, 113, .	2.5	31