

George Mamin

List of Publications by Year in descending order

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papers

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623734

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844
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#	ARTICLE	IF	CITATIONS
1	The improved textural properties, thermal stability, and cytocompatibility of mesoporous hydroxyapatite by Mg ²⁺ doping. <i>Materials Chemistry and Physics</i> , 2022, 289, 126461.	4.0	10
2	Hyperfine and nuclear quadrupole splitting of the ground state in NV^- in SiC . <i>Physical Review B</i> , 2021, 103, .	3.2	5
3	Radiation-Induced Stable Radicals in Calcium Phosphates: Results of Multifrequency EPR, EDNMR, ESEEM, and ENDOR Studies. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7727.	2.5	14
4	Plasma-Sprayed Manganese-Containing Tricalcium Phosphate Coatings on Titanium. <i>Inorganic Materials</i> , 2021, 57, 967-972.	0.8	1
5	EPR of Radiation-Induced Nitrogen Centers in Hydroxyapatite: New Approaches to the Study of Electron-Nuclear Interactions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020, 46, 729-737.	1.0	10
6	Sandwich double-decker Er(III) and Yb(III) complexes containing naphthalocyanine moiety: synthesis and investigation of the effect of a paramagnetic metal center. <i>Dalton Transactions</i> , 2019, 48, 13413-13422.	3.3	4
7	Influence of the Chemical Modification of the Nanodiamond Surface on Electron Paramagnetic Resonance/Electron-Nuclear Double Resonance Spectra of Intrinsic Nitrogen Defects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22384-22389.	3.1	4
8	Study of Organic Self-Assembled Nanosystems by Means of High-Frequency ESR/ENDOR: The Case of Oil Asphaltenes. <i>Russian Journal of General Chemistry</i> , 2018, 88, 2374-2380.	0.8	14
9	Aluminum and gallium nuclei as microscopic probes for pulsed electron-nuclear double resonance diagnostics of electric-field gradient and spin density in garnet ceramics doped with paramagnetic ions. <i>AIP Advances</i> , 2018, 8, 035001.	1.3	3
10	Pulsed electron-nuclear double resonance diagnostics of Ce ³⁺ emitters in scintillating garnets. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600631.	1.5	6
11	Study of the effects of hydroxyapatite nanocrystal codoping by pulsed electron paramagnetic resonance methods. <i>Physics of the Solid State</i> , 2016, 58, 469-474.	0.6	13
12	Toward the Asphaltene Structure by Electron Paramagnetic Resonance Relaxation Studies at High Fields (3.4 T). <i>Energy & Fuels</i> , 2016, 30, 6942-6946.	5.1	45
13	High-frequency pulsed ENDOR spectroscopy of the NV ⁻ centre in the commercial HPHT diamond. <i>Journal of Magnetic Resonance</i> , 2016, 262, 15-19.	2.1	18
14	EPR study of ordered Al ₂ O ₃ -based aerogel. <i>JETP Letters</i> , 2015, 102, 628-631.	1.4	3
15	Structure and Dynamics of Solvation Shells of Copper(II) Complexes with N,O-Containing Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 9777-9784.	4.0	22
16	Quantitative Analysis of Lewis Acid Centers of γ -Alumina by Using EPR of the Adsorbed Anthraquinone as a Probe Molecule: Comparison with the Pyridine, Carbon Monoxide IR, and TPD of Ammonia. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27410-27415.	3.1	41
17	Defects in Nanodiamonds: Application of High-Frequency cw and Pulse EPR, ODMR. <i>Applied Magnetic Resonance</i> , 2014, 45, 1035-1049.	1.2	7
18	Study of structural and dynamic characteristics of copper(ii) amino acid complexes in solutions by combined EPR and NMR relaxation methods. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9411.	2.8	40

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19	Electron Paramagnetic Resonance Study of Rotational Mobility of Vanadyl Porphyrin Complexes in Crude Oil Asphaltenes: Probing the Effect of Thermal Treatment of Heavy Oils. <i>Energy & Fuels</i> , 2014, 28, 6683-6687.	5.1	44
20	Poly(μ -Caprolactone) Nerve Conduit and Local Delivery of vegf and fgf2 Genes Stimulate Neuroregeneration. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 157, 155-158.	0.8	13
21	A study of hydroxyapatite nanocrystals by the multifrequency EPR and ENDOR spectroscopy methods. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014, 116, 715-720.	0.6	5
22	Electron Paramagnetic Resonance and Electron Nuclear Double Resonance Study of the Paramagnetic Complexes of Anthraquinone on the Surface of Al_2O_3 . <i>Journal of Physical Chemistry C</i> , 2014, 118, 14998-15003.	3.1	14
23	Shallow Donors and Deep-Level Color Centers in Bulk AlN Crystals: EPR, ENDOR, ODMR and Optical Studies. <i>Applied Magnetic Resonance</i> , 2013, 44, 1139-1165.	1.2	7
24	Multifrequency EPR and DENR of polyacetylene composite. <i>Russian Journal of Inorganic Chemistry</i> , 2013, 58, 183-185.	1.3	1
25	Room Temperature High-Field Spin Dynamics of NV Defects in Sintered Diamonds. <i>Applied Magnetic Resonance</i> , 2013, 44, 1235-1244.	1.2	9
26	Identification of $\text{Fe}^{3+}\text{Li}^+$ complexes in ZnO by means of high-frequency EPR/ENDOR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2013, 237, 110-114.	2.1	13
27	Investigation of atherosclerotic plaque by high-frequency EPR. <i>Journal of Physics: Conference Series</i> , 2013, 478, 012002.	0.4	6
28	EPR and ODMR defect control in AlN bulk crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 449-452.	0.8	3
29	High-frequency EPR study of crude oils. <i>Journal of Physics: Conference Series</i> , 2013, 478, 012003.	0.4	11
30	Perspective of zero-field ODMR to study nano-biological systems. <i>Journal of Physics: Conference Series</i> , 2013, 478, 012001.	0.4	3
31	Rotational dynamics of copper(II) amino acid complexes by EPR and NMR relaxation methods. <i>Journal of Physics: Conference Series</i> , 2012, 394, 012030.	0.4	4
32	Pb^{3+} radiation defects in $\text{Ca}_9\text{Pb}(\text{PO}_4)_6(\text{OH})_2$ hydroxyapatite nanoparticles studied by high-field (W-band) EPR and ENDOR. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2246.	2.8	30
33	Effect of quantum confinement and influence of extra charge on the electric field gradient in ZnO. <i>JETP Letters</i> , 2012, 95, 471-475.	1.4	5
34	Manganese in atherogenesis: Detection, origin, and a role. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2011, 5, 158-162.	0.4	4
35	Electron paramagnetic resonance of phytyfulgurite. <i>Doklady Earth Sciences</i> , 2011, 437, 424-427.	0.7	0
36	Identification of shallow Al donors in ZnO. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1532-1537.	1.5	16

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37	Enormously High Concentrations of Fluorescent Nitrogen Vacancy Centers Fabricated by Sintering of Detonation Nanodiamonds. <i>Small</i> , 2011, 7, 1533-1537.	10.0	62
38	Electron paramagnetic resonance detection of the giant concentration of nitrogen vacancy defects in sintered detonation nanodiamonds. <i>JETP Letters</i> , 2010, 92, 102-106.	1.4	19
39	Detection and Identification of Nitrogen Centers in Nanodiamond: EPR Studies. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 19, 44-51.	2.1	2
40	Electron spin resonance detection and identification of nitrogen centers in nanodiamonds. <i>JETP Letters</i> , 2009, 89, 409-413.	1.4	24
41	Coherent spin manipulations in Yb^{3+} and X^{2+} . <i>Physical Review B</i> , 2009, 79, ...	3.2	25
42	Stationary and high-frequency pulsed electron paramagnetic resonance of a calcified atherosclerotic plaque. <i>JETP Letters</i> , 2008, 88, 69-73.	1.4	12
43	Electron paramagnetic resonance of radiation-induced paramagnetic centers in an aerogel. <i>JETP Letters</i> , 2008, 88, 244-248.	1.4	3
44	Identification of the LaF_2 cubooctahedral clusters in mixed crystals $(\text{BaF}_2)_x(\text{LaF}_3)_x$ by the electron paramagnetic resonance method. <i>Physics of the Solid State</i> , 2007, 49, 2086-2090.	0.6	10
45	Nuclear Spin-Kinetics of ^3He in Carbonizates with Various Porosity. <i>Journal of Low Temperature Physics</i> , 2007, 148, 815-819.	1.4	5
46	Effect of phase transitions of helium-3 in pores of wood carbonizate on the spin kinetics of ^3He nuclei. <i>JETP Letters</i> , 2006, 84, 41-44.	1.4	2
47	Nuclear spin-lattice relaxation in finely dispersed carbonizate powders. <i>JETP Letters</i> , 2004, 79, 641-645.	1.4	1
48	Spin Relaxation Times of Donor Centers Associated with Lithium in Monoisotopic ^{28}Si . <i>Solid State Phenomena</i> , 0, 242, 322-326.	0.3	2
49	Probing Wave Functions of Electrically Active Shallow Level Defects by Means of High-Frequency Pulsed ENDOR in Wide Bandgap Materials: SiC, AlN, ZnO, and AgCl. <i>Applied Magnetic Resonance</i> , 0, , 1.	1.2	0