

Klaus Krambrock

List of Publications by Year in descending order

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155
papers

2,751
citations

218381

26
h-index

253896

43
g-index

155
all docs

155
docs citations

155
times ranked

3640
citing authors

#	ARTICLE	IF	CITATIONS
1	Initialization and read-out of intrinsic spin defects in a van der Waals crystal at room temperature. <i>Nature Materials</i> , 2020, 19, 540-545.	13.3	260
2	A New Appraisal of Sri Lankan Zircon as a Reference Material for LA-ICP-MS U-Pb Geochronology and Hf Isotope Tracing. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 335-358.	1.7	135
3	Nanostructured $\text{Fe}^{\text{II}}\text{-FeOOH}$: An efficient Fenton-like catalyst for the oxidation of organics in water. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 175-182.	10.8	126
4	Synthesis, Crystal Structure, and Spectroscopic Characterization of $\text{trans-Bis}[(1/4-1,3\text{-bis}(4\text{-pyridyl})\text{propane})(1/4-(3\text{-thiopheneacetate-O}))\text{dicopper(II)}], \{[\text{Cu}_2(\text{O}_2\text{CCH}_2\text{C}_4\text{H}_3\text{S})_4(1/4\text{-BPP})_2]\}_n$: From a Dinuclear Paddle-Wheel Copper(II) Unit to a 2-D Coordination Polymer Involving Monatomic Carboxylate Bridges. <i>Inorganic Chemistry</i> , 2004, 43, 1539-1544.	1.9	121
5	Oxidative desulfurization of dibenzothiophene over titanate nanotubes. <i>Fuel</i> , 2014, 132, 53-61.	3.4	78
6	Bifunctional magnetopolymerosomes of iron oxide nanoparticles and carboxymethylcellulose conjugated with doxorubicin for hyperthermo-chemotherapy of brain cancer cells. <i>Biomaterials Science</i> , 2019, 7, 2102-2122.	2.6	60
7	Arsenic antisite-related defects in low-temperature MBE grown GaAs. <i>Semiconductor Science and Technology</i> , 1992, 7, 1037-1041.	1.0	48
8	Identification of two light-induced charge states of the oxygen vacancy in single-crystalline rutile TiO_2 . <i>Physical Review B</i> , 2009, 80, .	1.1	48
9	The reduction of oxidative stress by nanocomposite Fullerol decreases mucositis severity and reverts leukopenia induced by Irinotecan. <i>Pharmacological Research</i> , 2016, 107, 102-110.	3.1	47
10	Synthesis and characterization of iron oxide nanoparticles/carboxymethyl cellulose core-shell nanohybrids for killing cancer cells in vitro. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 677-691.	3.6	46
11	Amoxicillin photodegradation under visible light catalyzed by metal-free carbon nitride: An investigation of the influence of the structural defects. <i>Journal of Hazardous Materials</i> , 2021, 401, 123713.	6.5	45
12	Electron paramagnetic resonance signature of point defects in neutron-irradiated hexagonal boron nitride. <i>Physical Review B</i> , 2018, 98, .	1.1	44
13	Identification of the isolated arsenic antisite defect in electron-irradiated gallium arsenide and its relation to the EL2 defect. <i>Physical Review B</i> , 1992, 45, 1481-1484.	1.1	43
14	Synthesis, characterisation and biological aspects of copper(II) dithiocarbamate complexes, $[\text{Cu}\{\text{S}_2\text{CNR}(\text{CH}_2\text{CH}_2\text{OH})\}_2]$, (R=Me, Et, Pr and $\text{CH}_2\text{CH}_2\text{OH}$). <i>Journal of Molecular Structure</i> , 2011, 988, 1-8.	1.8	43
15	Synthesis of $\text{C}_{60}(\text{OH})_{18-20}$ in aqueous alkaline solution under O_2 -atmosphere. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1186-1190.	0.6	39
16	Identification of rhenium donors and sulfur vacancy acceptors in layered MoS_2 bulk samples. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	36
17	Structural and Photophysical Properties of Peptide Micro/Nanotubes Functionalized with Hypericin. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2605-2614.	1.2	35
18	Influence of the Matrix on the Red Emission in Europium Self-Activated Orthoceramics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17825-17835.	1.5	35

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19	Hybrid systems based on gold nanostructures and porphyrins as promising photosensitizers for photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 297-307.	2.5	33
20	Preparation, crystal structures and spectroscopic characterization of oxalate copper(II) complexes containing the nitrogen ligands 4,4'-dimethyl-2,2'-bipyridine and di(2-pyridyl)sulfide. <i>Polyhedron</i> , 2007, 26, 4525-4532.	1.0	32
21	Cobalt lawsone complexes: searching for new valence tautomers. <i>Dalton Transactions</i> , 2013, 42, 5462.	1.6	32
22	OH/F substitution in topaz studied by Raman spectroscopy. <i>Physical Review B</i> , 2002, 65, .	1.1	28
23	Raman and infrared study of hydroxyl sites in natural uvite, fluor-uvite, magnesio-foitite, dravite and elbaite tourmalines. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 247-254.	0.3	28
24	Vanadium poisoning of FCC catalysts: A quantitative analysis of impregnated and real equilibrium catalysts. <i>Applied Catalysis A: General</i> , 2018, 560, 206-214.	2.2	27
25	Generation of reactive oxygen species in titanates nanotubes induced by hydrogen peroxide and their application in catalytic degradation of methylene blue dye. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 316-323.	4.8	26
26	Effect of the carbon loading on the structural and photocatalytic properties of reduced graphene oxide-TiO ₂ nanocomposites prepared by hydrothermal synthesis. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6262-6274.	2.6	26
27	Supramolecular magnetonano hybrids for multimodal targeted therapy of triple-negative breast cancer cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7166-7188.	2.9	26
28	Tunable magnetothermal properties of cobalt-doped magnetite-carboxymethylcellulose ferrofluids: smart nanoplatforams for potential magnetic hyperthermia applications in cancer therapy. <i>Nanoscale Advances</i> , 2021, 3, 1029-1046.	2.2	25
29	Biosorption of copper by dried plant leaves studied by electron paramagnetic resonance and infrared spectroscopy. <i>Hydrometallurgy</i> , 2001, 59, 407-412.	1.8	24
30	The microscopic structure of the oxygen-aluminium hole center in natural and neutron irradiated blue topaz. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 436-441.	0.3	24
31	Color centers in topaz: comparison between neutron and gamma irradiation. <i>Physics and Chemistry of Minerals</i> , 2007, 34, 437-444.	0.3	23
32	Enhanced Oxygen Singlet Production by Hybrid System of Porphyrin and Enriched (6,5) Single-Walled Carbon Nanotubes for Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4344-4350.	1.5	23
33	Effect of gamma radiation on antioxidant capacity of green tea, yerba mate, and chamomile tea as evaluated by different methods. <i>Radiation Physics and Chemistry</i> , 2017, 130, 177-185.	1.4	23
34	Novel copper(II) coordination polymer containing the drugs nalidixic acid and 8-hydroxyquinoline: Evaluation of the structural, magnetic, electronic, and antitumor properties. <i>Polyhedron</i> , 2018, 156, 312-319.	1.0	23
35	A promising approach to transform levulinic acid into Î³-valerolactone using niobic acid photocatalyst and the accumulated electron transfer technique. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119814.	10.8	23
36	Identification of a trigonal cation antisite defect in gallium arsenide. <i>Physical Review B</i> , 1989, 39, 1973-1976.	1.1	22

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37	Study of neutron irradiation-induced colors in Brazilian topaz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 423-426.	0.7	22
38	Spectroscopic and structural analyses of the copper(II) 2-D coordination polymer $\{[\text{Cu}_2(\text{BPP})_4(\text{NCS})_4]\}_n$ (BPP=1,3-bis(4-pyridyl)propane) comprising interpenetrated layers of (4,4) topology. Inorganica Chimica Acta, 2008, 361, 2045-2050.	1.2	22
39	Synthesis, characterization, structural and biological aspects of copper(II) dithiocarbamate complexes "Part II, $[\text{Cu}\{\text{S}_2\text{CN}(\text{Me})(\text{R}_1)\}_2]$, $[\text{Cu}\{\text{S}_2\text{CN}(\text{Me})(\text{R}_2)\}_2]$ and $[\text{Cu}\{\text{S}_2\text{CN}(\text{R}_3)(\text{R}_4)\}_2]$ { $\text{R}_1=\text{CH}_2\text{CH}(\text{OMe})_2$, $\text{R}_2=2\text{-methyl-1,3-dioxolane}$, $\text{R}_3=\text{CH}_2(\text{CH}_2)_2\text{NCHPhOCH}_2\text{Ph}$ and $\text{R}_4=\text{CH}_2\text{CH}_2\text{OH}$ }. Journal of Molecular Structure, 2013, 1048, 357-366.	1.8	22
40	Investigation of radiation-induced yellow color in tourmaline by magnetic resonance. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 241-245.	0.6	21
41	Correlation of irradiation-induced yellow color with the O - hole center in tourmaline. Physics and Chemistry of Minerals, 2004, 31, 168-175.	0.3	21
42	Visible-light photocatalytic activity of NH ₄ NO ₃ ion-exchanged nitrogen-doped titanate and TiO ₂ nanotubes. Journal of Molecular Catalysis A, 2014, 394, 48-56.	4.8	21
43	Amphiphilic gold nanoparticles supported on carbon nanotubes: Catalysts for the oxidation of lipophilic compounds by wet peroxide in biphasic systems. Applied Catalysis A: General, 2015, 505, 566-574.	2.2	21
44	Metavivianite, Fe ²⁺ Fe ³⁺ ₂ (PO ₄) ₂ (OH) ₂ ·6H ₂ O new data and formula revision. Mineralogical Magazine, 2012, 76, 725-741.	0.4	20
45	Dye Degradation Mechanisms Using Nitrogen Doped and Copper(II) Phthalocyanine Tetracarboxylate Sensitized Titanate and TiO ₂ Nanotubes. Journal of Physical Chemistry C, 2016, 120, 11561-11571.	1.5	20
46	Solvent effect on the structure and photocatalytic behavior of TiO ₂ -RGO nanocomposites. Journal of Materials Research, 2019, 34, 3918-3930.	1.2	19
47	Biosorption of copper ions by dried leaves: chemical bonds and site symmetry. Hydrometallurgy, 2003, 71, 277-283.	1.8	18
48	Optical and magneto-optical determination of the EL2 concentrations in semi-insulating GaAs. Semiconductor Science and Technology, 1991, 6, 170-174.	1.0	17
49	Oxotris(oxalato)niobate(V) as counterion in cobalt(II) spin-crossover systems. Polyhedron, 2016, 117, 710-717.	1.0	16
50	Magnetic anisotropy of Co thin films: Playing with the shadowing effect, magnetic field and substrate spinning. Journal of Magnetism and Magnetic Materials, 2017, 426, 636-640.	1.0	16
51	Exploring the DNA binding, oxidative cleavage, and cytotoxic properties of new ternary copper(II) compounds containing 4-aminoantipyrine and N,N-heterocyclic co-ligands. Journal of Molecular Structure, 2019, 1178, 18-28.	1.8	16
52	Photophysical, photooxidation, and biomolecule-interaction of <i>meso</i> -tetra(thienyl)porphyrins containing peripheral Pt(II) and Pd(II) complexes. Insights for photodynamic therapy applications. Dalton Transactions, 2022, 51, 1646-1657.	1.6	16
53	Identification of trivalent rare earth impurities in YF ₃ , LuF ₃ and LiYF ₄ by electron paramagnetic resonance. Journal of Alloys and Compounds, 2002, 344, 251-254.	2.8	15
54	Synthesis and characterization of [chloro{2(1H)-pyridinethione-S}{tris(pyridin-2-ylthiolato)methyl-C,N,N,N-tetrakis(2-pyridylthio)nickel(II)}, [Ni(TPTM)(SPyH)Cl]. Journal of Organometallic Chemistry, 2008, 693, 1986-1990.	0.8	15

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55	Photophysical, photodynamical, redox properties and BSA interactions of novel isomeric tetracationic peripheral palladium($\text{C}_{55}\text{H}_{44}\text{N}_4\text{O}_4$)-bipyridyl porphyrins. Dalton Transactions, 2020, 49, 16278-16295.	1.6	15
56	Evidence for an anti-structure-pair in GaAs generated by electron irradiation at room temperature obtained from optically detected electron-nuclear double resonance. Physical Review B, 1993, 47, 3987-3990.	1.1	14
57	Production of reactive oxygen species induced by a new [60]fullerene derivative bearing a tetrazole unit and its possible biological applications. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 277-281.	2.0	14
58	Radiation-induced defects in euclase: formation of $\text{O}^{\bullet-}$ hole and Ti^{3+} electron centers. Physics and Chemistry of Minerals, 2009, 36, 519-525.	0.3	14
59	Synthesis and characterization of two manganese(II) complexes containing di(4-pyridyl)sulfide (4-DPS) ligand: The effects of the counter ion and of the weak non-covalent interactions in the crystal structures of $[\text{Mn}(\text{4-DPS})_2(\text{H}_2\text{O})_2](\text{ClO}_4)_2 \cdot 2\text{H}_2\text{O}$ and $\{[\text{Mn}(\text{4-DPS})_2(\text{NCS})_2] \cdot 2\text{H}_2\text{O}\}$. Journal of Molecular Structure, 2009, 923, 60-66.	1.8	14
60	Quantification of fullerene nanoparticles suspensions in water based on optical scattering. Talanta, 2009, 78, 1503-1507.	2.9	14
61	Spectroscopic characterization of transition metal impurities in natural montebrasite/amblygonite. American Mineralogist, 2011, 96, 42-52.	0.9	14
62	Almeidaite, $\text{Pb}(\text{Mn},\text{Y})\text{Zn}_2(\text{Ti},\text{Fe})_3\text{O}_{18}(\text{O},\text{OH})_2$, a new crichtonite-group mineral, from Novo Horizonte, Bahia, Brazil. Mineralogical Magazine, 2015, 79, 269-283.	0.6	14
63	Iron contamination of FCC catalysts: Quantification of different crystalline phases and valence states. Applied Catalysis A: General, 2019, 569, 57-65.	2.2	14
64	Peroxidation and photo-peroxidation of pantoprazole in aqueous solution using silver molybdate as catalyst. Chemosphere, 2021, 262, 127671.	4.2	14
65	Mono- and binuclear copper(II) complexes containing di(2-pyridyl)sulfide (DPS) as chelating ligand: Spectroscopic characterization and crystal structures of $[\text{Cu}(\text{DPS})(\text{H}_2\text{O})\text{Cl}_2] \cdot \text{H}_2\text{O}$ and $[\{\text{Cu}(\text{DPS})\text{Cl}\}_2 \cdot (\text{Cl})_2]$. Inorganica Chimica Acta, 2006, 359, 4613-4618.	1.2	13
66	Efficient antibacterial nanosponges based on ZnO nanoparticles and doxycycline. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 85-94.	1.7	13
67	The Influence of Calcination Temperature on Photocatalytic Activity of TiO_2 -Acetylacetone Charge Transfer Complex towards Degradation of NO_x under Visible Light. Catalysts, 2020, 10, 1463.	1.6	13
68	Detection of singlet oxygen by EPR: The instability of the nitroxyl radicals. Free Radical Biology and Medicine, 2022, 180, 143-152.	1.3	13
69	The $\text{O}(\text{Al}_2)$ centre in topaz and its relation to the blue colour. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 397-400.	0.8	12
70	About the blue and green colours in natural fluorapatite. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 720-723.	0.8	12
71	2-D coordination polymers of copper and cobalt with 3,4-pyridinedicarboxylic acid: synthesis, characterization, and crystal structures. Journal of Coordination Chemistry, 2014, 67, 2967-2982.	0.8	12
72	Post-synthetic modification of aluminum trimesate and copper trimesate with TiO_2 nanoparticles for photocatalytic applications. Journal of Materials Science, 2022, 57, 4481-4503.	1.7	12

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73	Oxidative desulfurization of dibenzothiophene over highly dispersed Mo-doped graphitic carbon nitride. <i>Chemical Papers</i> , 2022, 76, 3401-3412.	1.0	12
74	Exploring the structural and optoelectronic properties of natural insulating phlogopite in van der Waals heterostructures. <i>2D Materials</i> , 2022, 9, 035007.	2.0	12
75	Chromium and vanadium impurities in natural green euclase and their relation to the color. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 409-415.	0.3	11
76	Quenching of Photoactivity in Phthalocyanine Copper(II) -Titanate Nanotube Hybrid Systems. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12082-12089.	1.5	11
77	Photophysical and electrochemical properties of two <i>trans</i> -A ₂ B-corroles: differences between phenyl or pyrenyl groups at the <i>meso</i> -10 position. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16965-16977.	1.3	11
78	The Isolated Arsenic Antisite Defect and EL2 - An ODMR Investigation of Electron Irradiated Galliumarsenide. <i>Materials Science Forum</i> , 1992, 83-87, 887-892.	0.3	10
79	Metastability of arsenic antisite-related defects created by electron irradiation in gallium arsenide. <i>Solid State Communications</i> , 1994, 92, 207-211.	0.9	10
80	Gadolinium in lutetium fluoride—an electron paramagnetic resonance study. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 485-489.	1.9	10
81	Infrared-spectroscopic study of orthorhombic YF ₃ and LuF ₃ single crystals. <i>Vibrational Spectroscopy</i> , 2005, 39, 244-248.	1.2	10
82	Noncollinear ferromagnetic easy axes in Py/Ru/FeCo/IrMn spin valves induced by oblique deposition. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	10
83	Visible light sensitive mesoporous nanohybrids of lepidocrocite-like ferrititanate coupled to a charge transfer complex: Synthesis, characterization and photocatalytic degradation of NO. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 365, 133-144.	2.0	10
84	Radiation-induced centers in Cs-rich beryl studied by magnetic resonance, infrared and optical spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 285-290.	0.6	9
85	High-field ODMR investigation of the EL2 defect in semi-insulating GaAs. <i>Physica B: Condensed Matter</i> , 2003, 340-342, 353-357.	1.3	9
86	New material for low-dose brachytherapy seeds: Xe-doped amorphous carbon films with post-growth neutron activated ¹²⁵ I. <i>Applied Radiation and Isotopes</i> , 2011, 69, 118-121.	0.7	9
87	Selective visible-light-driven toxicity breakdown of nerve agent simulant methyl paraoxon over a photoactive nanofabric. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119774.	10.8	9
88	Bifunctional oxidase-peroxidase inorganic nanozyme catalytic cascade for wastewater remediation. <i>Catalysis Today</i> , 2022, 397-399, 129-144.	2.2	9
89	Electron paramagnetic resonance study of gadolinium in Czochralski-grown yttrium fluoride single crystals. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 7211-7217.	0.7	8
90	Two different incorporation sites of manganese in single-crystalline monohydrated L-asparagine studied by electron paramagnetic resonance. <i>Physical Review B</i> , 2007, 75, .	1.1	8

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91	Optically-detected magnetic resonance of molecular color centers CO ₃ ²⁻ and NO ₃ in gamma-irradiated beryl. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1293-1296.	0.8	8
92	Polarized Raman scattering and infrared spectroscopy of a natural manganocolumbite single crystal. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1044-1049.	1.2	8
93	Synthesis of [60]fullerene derivatives bearing five-membered heterocyclic wings and an investigation of their photophysical kinetic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 184-190.	2.0	8
94	Correianevesite, Fe ₂ Mn ₂ (PO ₄) ₂ ·3H ₂ O, a new reddingite-group mineral from the Cigana mine, Conselheiro Pena, Minas Gerais, Brazil. <i>American Mineralogist</i> , 2014, 99, 811-816.	0.9	8
95	Unravelling the mechanisms of reactive oxygen species formation in nanohybrid systems of porphyrins and enriched (6,5) single-walled carbon nanotubes for photosensitization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20459-20465.	1.3	8
96	Understanding photocatalytic activity and mechanism of nickel-modified niobium mesoporous nanomaterials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112168.	2.0	8
97	Identification and thermal stability of point defects in neutron-irradiated hexagonal boron nitride (h-BN). <i>Journal Physics D: Applied Physics</i> , 2021, 54, 065303.	1.3	8
98	Hybrid polymer aerogels containing porphyrins as catalysts for efficient photodegradation of pharmaceuticals in water. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 461-476.	5.0	8
99	Evaluation of reactive oxygen species and photocatalytic degradation of ethylene using ¹² Ag ₂ MoO ₄ /g-C ₃ N ₄ composites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 432, 114102.	2.0	8
100	High throughput investigation of an emergent and naturally abundant 2D material: Clinocllore. <i>Applied Surface Science</i> , 2022, 599, 153959.	3.1	8
101	On the microscopic structures of three arsenic antisite-related defects in gallium arsenide studied by optically detected electron nuclear double resonance. , 1994, , 111-147.		7
102	Syntheses, crystal structures and electron paramagnetic resonance studies of Coll- and MnII-coordination polymers with the twisted ligand di(4-pyridyl)disulfide in double bridge fashion. <i>Polyhedron</i> , 2010, 29, 2657-2666.	1.0	7
103	Origin of the color in cobalt-doped quartz. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 623-629.	0.3	7
104	Purplish-red almandine garnets with alexandrite-like effect: causes of colors and color-enhancing treatments. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 555-562.	0.3	7
105	Spin valve heterostructures built using the shadowing effect: Setting NiFe and Co magnetization directions for non-collinear couplings. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	7
106	Anti-inflammatory and antioxidant effects of the nanocomposite Fullerol decrease the severity of intestinal inflammation induced by gut ischemia and reperfusion. <i>European Journal of Pharmacology</i> , 2021, 898, 173984.	1.7	7
107	ODMR of stoichiometry defects in III-V semiconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992, 13, 261-269.	1.7	6
108	Brazilian Quartz Deposits with Special Emphasis on Gemstone Quartz and its Color Treatment. <i>Springer Geology</i> , 2012, , 139-159.	0.2	6

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109	Characterization of high-purity ⁸² Se-enriched ZnSe for double-beta decay bolometer/scintillation detectors. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	6
110	Magneto-optical and ODEPR investigations of native defects in substrate-free LT-MBE grown GaAs. <i>Physica B: Condensed Matter</i> , 2001, 308-310, 749-752.	1.3	5
111	Natural iron-containing blue and colorless euclase studied by electron paramagnetic resonance. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 553-557.	0.3	5
112	Visible-light driven catalytic activity of two novel Cu(II) and Ni(II) titanium niobates. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103065.	3.3	5
113	The influence of Cu spacer morphology in Cu/Py/Cu/Co/IrMn spin valves with induced non-collinear spin structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 512, 166985.	1.0	5
114	The cause of colour of the blue alexandrites from Malacacheta, Minas Gerais, Brazil. <i>Journal of Gemmology</i> , 2000, 27, 161-170.	0.1	5
115	Electrical and optical properties of the transition metal iron in ZnTe and CdTe. <i>Advanced Materials for Optics and Electronics</i> , 1994, 3, 223-232.	0.6	4
116	Optically detected magnetic resonance investigation of a Gallium vacancy-related defect in electron-irradiated Gallium arsenide. <i>Solid State Communications</i> , 1995, 93, 285-289.	0.9	4
117	Correlation of two diamagnetic bands of the magnetic circular dichroism of the optical absorption with EL20 in GaAs. <i>Applied Physics Letters</i> , 1997, 71, 2133-2135.	1.5	4
118	Magneto-optical and electron paramagnetic resonance investigations of U ⁴⁺ (5f ²) and Pr ³⁺ (4f ²) in lithium yttrium fluoride. <i>Journal of Alloys and Compounds</i> , 2002, 344, 246-250.	2.8	4
119	Optical phonon features of triclinic montebrasite: Dispersion analysis and non-polar Raman modes. <i>Vibrational Spectroscopy</i> , 2015, 77, 25-34.	1.2	4
120	TiO ₂ anatase nanorods with non-equilibrium crystallographic {001} facets and their coatings exhibiting high photo-oxidation of NO gas. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 231-239.	1.2	4
121	A Co(II) 1D coordination polymer constructed from 1,3-bisbenzyl-2-oxoimidazole-4,5-dicarboxylic acid: crystal structure and magnetic properties. <i>New Journal of Chemistry</i> , 2018, 42, 1216-1222.	1.4	4
122	Nanocrystalline Transition-Metal Gallium Oxide Spinel from Acetylacetonate Precursors via Solvothermal Synthesis. <i>Materials</i> , 2019, 12, 838.	1.3	4
123	On the Microscopic Structures of Three Different Arsenic Antisite-Related Defects in Gallium Arsenide Studied by Optically Detected Electron Nuclear Double Resonance. <i>Materials Science Forum</i> , 1993, 143-147, 217-222.	0.3	3
124	Fluorescent Magnetic Nanostructures Based on Polymer-Quantum Dots Conjugates. <i>Macromolecular Symposia</i> , 2012, 319, 114-120.	0.4	3
125	Temperature dependence of the electrical properties of hydrogen titanate nanotubes. <i>Journal of Applied Physics</i> , 2014, 116, 184307.	1.1	3
126	On the charge state of the EL2 mid gap level semi-insulating GaAs from a quantitative analysis of the compensation. , 1989, , 201-213.		2

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127	G-factors of shallow acceptors in III-V semiconductors determined from the magnetic circular dichroism of the optical absorption. <i>Solid State Communications</i> , 1995, 95, 667-672.	0.9	2
128	On the problem of the EL2 structure in semi-insulating GaAs: high-frequency ODEPR/ODENDOR measurements in W-band. <i>Physica B: Condensed Matter</i> , 2001, 308-310, 753-756.	1.3	2
129	Characterization of Czochralski-grown orthorhombic $\text{LuF}_3\text{:Ce}$ by electron paramagnetic resonance. <i>Radiation Effects and Defects in Solids</i> , 2001, 155, 101-105.	0.4	2
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