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List of Publications by Year in descending order

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82
papers

2,171
citations

218677

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243625

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85
docs citations

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times ranked

2027
citing authors

#	ARTICLE	IF	CITATIONS
1	One Pot Microwave Irradiation Synthesis of Spherical and Nanotube Titanates Incorporated Reduced Graphene for Efficient Hydrogen Production Photo-Electrocatalytically. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 289-296.	3.7	0
2	Investigating the performance of acetylated diethyl ether "Camelina sativa biodiesel as fuel in compression ignition engine. Energy, Ecology and Environment, 2022, 7, 281-295.	3.9	6
3	Anionic ligands tune the structural and catalytic properties of quinoxaline-based copper(II) complexes as mimetics of copper-containing oxidase protein. Journal of Molecular Structure, 2022, 1250, 131809.	3.6	4
4	Fabrication, physical, structural, and optical investigation of cadmium lead-borate glasses doped with Nd ³⁺ ions: An experimental study. Journal of Materials Science: Materials in Electronics, 2022, 33, 1877-1887.	2.2	11
5	Assessing the Radiological Risks Associated with High Natural Radioactivity of Microgranitic Rocks: A Case Study in a Northeastern Desert of Egypt. International Journal of Environmental Research and Public Health, 2022, 19, 473.	2.6	14
6	One-pot synthesis of novel substituted quinoxaline piperazine derivatives and their antimicrobial activities. Journal of Molecular Structure, 2022, 1253, 132260.	3.6	5
7	Structural, thermal, and optical properties of polyvinyl alcohol films doped with La ₂ ZnOx nanoparticles. Journal of Non-Crystalline Solids, 2022, 580, 121405.	3.1	16
8	Investigation of the elastic moduli, optical characteristics, and ionizing radiation attenuation capacity of specific strontium borosilicate glasses. Journal of the Australian Ceramic Society, 2022, 58, 495-510.	1.9	5
9	Evaluating the optical and gamma-ray protection properties of bismo-tellurite sodium titanium zinc glasses. Journal of the Australian Ceramic Society, 2022, 58, 851-866.	1.9	8
10	Development of Tincal based polypropylene polymeric materials for radiation shielding applications: Experimental, theoretical, and Monte Carlo investigations. Materials Science in Semiconductor Processing, 2022, 146, 106696.	4.0	15
11	Exploration of Nonlinear Optical Properties for the First Theoretical Framework of Non-Fullerene DTS(FBTTh ₂)-Based Derivatives. ACS Omega, 2022, 7, 18027-18040.	3.5	14
12	Synthesis and characterization of naphthaldiimine-based ruthenium(III) complexes; homogenous catalytic hydrogenation and isomerization of internal and terminal alkenes. Journal of Coordination Chemistry, 2022, 75, 587-610.	2.2	1
13	Hierarchically porous NiO microspheres and their nanocomposites with exfoliated carbon as electrode materials for supercapacitor applications. Journal of Taibah University for Science, 2022, 16, 575-584.	2.5	8
14	Functional miscibility and thermomechanical properties enhancement of substituted phthalic acetylated modified chitin filler in biopolymer composite. Royal Society Open Science, 2022, 9, .	2.4	2
15	Rationale Design, Synthesis, Pharmacological and <i>In silico</i> Investigation of Indole "Functionalized Isoxazoles as Anti-inflammatory Agents. ChemistrySelect, 2022, 7, .	1.5	5
16	The structure and optical properties of PVA-BaTiO ₃ nanocomposite films. Optical Materials, 2021, 111, 110648.	3.6	79
17	Synthesis of Eco-Friendly Biopolymer, Alginate-Chitosan Composite to Adsorb the Heavy Metals, Cd(II) and Pb(II) from Contaminated Effluents. Materials, 2021, 14, 2189.	2.9	52
18	The Role of Orientation and Temperature on the Mechanical Properties of a 20 Years Old Wind Turbine Blade GFR Composite. Polymers, 2021, 13, 1144.	4.5	6

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19	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , 2021, 11, 310.	3.1	24
20	Exogenous Sodium Nitroprusside Mitigates Salt Stress in Lentil (<i>Lens culinaris</i> Medik.) by Affecting the Growth, Yield, and Biochemical Properties. <i>Molecules</i> , 2021, 26, 2576.	3.8	40
21	Dominating the structural, microstructural, and magnetic features of Li ⁺ -substituted strontium hexaferrite (Sr ^{1-x} Li _{2x} Fe ₁₂ O ₁₉). <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16565-16576.	2.2	0
22	Fabrication and Characterization of Sulfonated Graphene Oxide-Doped Polymeric Membranes with Improved Anti-Biofouling Behavior. <i>Membranes</i> , 2021, 11, 563.	3.0	11
23	Investigating the Antibacterial Activity of Polymeric Membranes Fabricated with Aminated Graphene Oxide. <i>Membranes</i> , 2021, 11, 510.	3.0	22
24	A Robust and Highly Precise Alternative against the Proliferation of Intestinal Carcinoma and Human Hepatocellular Carcinoma Cells Based on Lanthanum Strontium Manganite Nanoparticles. <i>Materials</i> , 2021, 14, 4979.	2.9	3
25	Radon concentration in compressed natural gas and liquefied petroleum gas and its release range in residential houses. <i>Radiochimica Acta</i> , 2021, 109, 793-798.	1.2	2
26	Structural and Magnetoelectrical Properties of MFe ₂ O ₄ (M = Co, Ni, Cu, Mg). <i>Tj ETQq0 0,0 rgBT /Overlock 10</i>	3.5	20
27	Investigation of mechanical, photon buildup factors, and neutron-sensing properties of B ₂ O ₃ -Al ₂ O ₃ -Li ₂ O-CuO glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24401-24414.	2.2	9
28	A molecular biomimetic sensor of tris(2-benzimidazolylmethyl)amine-based iron(III) complex for acrylamide detection: Electrochemical study and DFT calculations. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 2303-2311.	1.4	6
29	Fabrication and Characterization of Sulfonated Graphene Oxide (SGO) Doped PVDF Nanocomposite Membranes with Improved Anti-Biofouling Performance. <i>Membranes</i> , 2021, 11, 749.	3.0	10
30	A Comparative Study of Cerium- and Ytterbium-Based GO/g-C ₃ N ₄ /Fe ₂ O ₃ Composites for Electrochemical and Photocatalytic Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9000.	2.5	30
31	Structural, optical, mechanical and simulating the gamma-ray shielding competencies of novel cadmium bismo-borate glasses: The impact of bismuth oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24381-24393.	2.2	7
32	Impedance, FTIR and transport properties of plasticized proton conducting biopolymer electrolyte based on chitosan for electrochemical device application. <i>Results in Physics</i> , 2021, 29, 104770.	4.1	36
33	Probing a new halogen-free electrolyte and Ba _{0.85} Sm _{0.1} TiO ₃ cathode for Mg battery applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28781-28791.	2.2	1
34	Effect of MWCNTs Functionalization on Thermal, Electrical, and Ammonia-Sensing Properties of MWCNTs/PMMA and PHB/MWCNTs/PMMA Thin Films Nanocomposites. <i>Nanomaterials</i> , 2021, 11, 2625.	4.1	12
35	Glass fabrication using ceramic and porcelain recycled waste and lithium niobate: physical, structural, optical and nuclear radiation attenuation properties. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4074-4085.	5.8	36
36	Boost the Crystal Installation and Magnetic Features of Cobalt Ferrite/M-Type Strontium Ferrite Nanocomposites Double Substituted by La ³⁺ and Sm ³⁺ Ions (2CoFe ₂ O ₄ /SrFe ₁₂ -2xSm _x LaxO ₁₉). <i>Materials</i> , 2021, 14, 7820.	2.9	2

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37	Implementation of La ³⁺ ion substituted M-type strontium hexaferrite powders for enhancement of magnetic properties. Journal of Magnetism and Magnetic Materials, 2020, 498, 166187.	2.3	23
38	Developed Process Circuit Flowsheet of Al Amar Ore for Production of Nanocrystalline Ferrite and Improving Gold Recovery. ACS Omega, 2020, 5, 30858-30870.	3.5	1
39	Breakdown performance of transformer oil in the presence of single-phase nanocrystalline ZnO and nano-partial substitution. IET Science, Measurement and Technology, 2019, 13, 737-745.	1.6	12
40	Optimization of Microstructure and Mechanical Properties of Hipped Inconel 718 by Various Heat Treatment Processes. Metallography, Microstructure, and Analysis, 2019, 8, 642-655.	1.0	6
41	Evaluation of dielectric breakdown strength of transformer oil with BaTiO ₃ and NiFe ₂ O ₄ nanoparticles. Electrical Engineering, 2019, 101, 369-377.	2.0	13
42	Controlling the structural, microstructure and magnetic properties of barium W-type hexaferrite elaborated using tartaric acid precursor strategy. Journal of Materials Science: Materials in Electronics, 2018, 29, 9771-9779.	2.2	9
43	Enhancing saturation magnetization of Mg ferrite nanoparticles for better magnetic recoverable photocatalyst. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	12
44	Microwave Assisted-Hydrothermal Synthesis of Nickel Ferrite Nanoparticles. Oriental Journal of Chemistry, 2018, 34, 2577-2582.	0.3	2
45	Catalytic impact of alloyed Al on the corrosion behavior of Co ₅₀ Ni ₂₃ Ga ₂₆ Al _{1.0} magnetic shape memory alloy and catalysis applications for efficient electrochemical H ₂ generation. RSC Advances, 2017, 7, 3635-3649.	3.6	18
46	Structural, magnetic and sensing properties of lanthanum ferrite via facile sol gel oxalate precursor route. Journal of Materials Science: Materials in Electronics, 2017, 28, 4170-4178.	2.2	12
47	Synthesis and Characterization of Nanocrystalline Barium-Samarium Titanate. High Temperature Materials and Processes, 2016, 35, 499-505.	1.4	7
48	Influence of carboxylic acid type on microstructure and magnetic properties of polymeric complex sol-gel driven NiFe ₂ O ₄ . Journal of Magnetism and Magnetic Materials, 2016, 398, 109-115.	2.3	20
49	Effect of Co ²⁺ and Y ³⁺ ions insertion on the microstructure development and magnetic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ powders synthesized using Co-precipitation method. Journal of Magnetism and Magnetic Materials, 2015, 374, 359-366.	2.3	68
50	Magnetic and colouring performances of Co ²⁺ ion doped magnetite powders synthesised using isothermal gaseous reduction. Materials Technology, 2015, 30, 70-75.	3.0	4
51	Structural and Magnetic Properties of Zinc and Silicon Oxides Doped Cu Ferrite for Temperature Controller Devices. High Temperature Materials and Processes, 2015, 34, .	1.4	0
52	Influence of aging on microstructure, martensitic transformation and mechanical properties of NiTiRe shape memory alloy. Metals and Materials International, 2014, 20, 997-1002.	3.4	14
53	Effect of ⁶⁰ Co-rays irradiation on Mn-Ni ferrites: Structure, magnetic properties and positron annihilation studies. Nuclear Instruments & Methods in Physics Research B, 2013, 304, 72-79.	1.4	65
54	Influence of Ti additions on martensitic transformation and magnetic properties of cast Ni ₅₁ Fe ₂₂ xGa ₂₇ Tix shape memory alloys. Metals and Materials International, 2013, 19, 991-997.	3.4	4

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55	Martensitic transformation and magnetic properties of aged Ni-Fe-Ga-Ti shape memory alloy. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 867-873.	4.9	1
56	Low-Temperature Synthesis of Nanocrystalline $Mn_{0.2}Ni_{0.8}Fe_2O_4$ by Oxalate Precursor Route. Advances in Materials Physics and Chemistry, 2013, 03, 1-7.	4.4	4
57	Hydrothermal synthesis and characterizations of Ti substituted Mn-ferrites. Journal of Alloys and Compounds, 2012, 529, 29-33.	5.5	52
58	Synthesis of molybdenum silicide/mullite composites for high-temperature applications. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 72-81.	0.5	2
59	Transformation of silica fume into chemical mechanical polishing (CMP) nano-slurries for advanced semiconductor manufacturing. Powder Technology, 2011, 205, 149-154.	4.2	20
60	Structural properties of ferric pseudobrookite $FeTi_2O_5$ powder prepared by a new method. International Journal of Nanoparticles, 2011, 4, 2.	0.3	7
61	Magnetic behavior of cobalt ferrite nanowires prepared by template-assisted technique. Materials Chemistry and Physics, 2010, 123, 254-259.	4.0	46
62	Controlling the synthesis conditions for silica nanosphere from semi-burned rice straw. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 162, 14-21.	3.5	89
63	Nano-crystalline copper ferrites from secondary iron oxide (mill scale). Journal of Magnetism and Magnetic Materials, 2009, 321, 181-187.	2.3	55
64	Effect of synthesis conditions on the preparation of YIG powders via co-precipitation method. Journal of Magnetism and Magnetic Materials, 2009, 321, 3752-3757.	2.3	44
65	Preparation and characterization of some ferromagnetic glass-ceramics contains high quantity of magnetite. Ceramics International, 2009, 35, 1539-1544.	4.8	39
66	Structural and magnetic properties of pure and doped nanocrystalline cadmium ferrite. Journal of Alloys and Compounds, 2009, 475, 832-839.	5.5	44
67	Synthesis and magnetic properties of strontium hexaferrite from celestite ore. Journal of Alloys and Compounds, 2009, 476, 373-378.	5.5	45
68	Preparation of silica nanoparticles from semi-burned rice straw ash. Powder Technology, 2008, 185, 31-35.	4.2	96
69	Controlling the composition and magnetic properties of strontium hexaferrite synthesized by co-precipitation method. Journal of Magnetism and Magnetic Materials, 2008, 320, 336-343.	2.3	205
70	Influence of manganese substitution and annealing temperature on the formation, microstructure and magnetic properties of Mn-Zn ferrites. Journal of Magnetism and Magnetic Materials, 2008, 320, 1615-1621.	2.3	118
71	Synthesis and characterization of lithium ferrite by oxalate precursor route. Journal of Magnetism and Magnetic Materials, 2008, 320, 2800-2807.	2.3	65
72	Effect of Fe/Ba mole ratios and surface-active agents on the formation and magnetic properties of co-precipitated barium hexaferrite. Journal of Alloys and Compounds, 2008, 453, 304-308.	5.5	85

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73	Effect of barite on mineralogical composition and structure of iron ore sinter. Ironmaking and Steelmaking, 2008, 35, 169-178.	2.1	5
74	Sintering and heating reduction processes of alumina containing iron ore samples. Ironmaking and Steelmaking, 2008, 35, 191-204.	2.1	30
75	Characterisation of iron ore sinter and its behaviour during non-isothermal reduction conditions. Ironmaking and Steelmaking, 2008, 35, 183-190.	2.1	10
76	Synthesis and characterization of barium hexaferrite nanoparticles. Journal of Materials Processing Technology, 2007, 181, 106-109.	6.3	110
77	Reduction behavior of barium hexaferrite into metallic iron nanocrystallites. Journal of Magnetism and Magnetic Materials, 2007, 310, 107-115.	2.3	15
78	Enhancement of magnetic properties for the barium hexaferrite prepared through ceramic route. Journal of Analytical and Applied Pyrolysis, 2007, 78, 282-287.	5.5	39
79	Catalytic activity and magnetic properties of barium hexaferrite prepared from barite ore. Materials Research Bulletin, 2007, 42, 1242-1250.	5.2	10
80	Effect of Reducing Gas on the Volume Change during Reduction of Iron Oxide Compacts.. ISIJ International, 1996, 36, 640-649.	1.4	63
81	Carbon Monoxide Reduction and Accompanying Swelling of Iron Oxide Compacts.. ISIJ International, 1996, 36, 164-171.	1.4	55
82	Solidâ€“Liquid Phase Structural Studies of Bis(2-Picolyl)Amine-Based Zinc(II) Complexes as Functional Hydrolase Models: The Detoxification of Fenitrothion. Journal of Inorganic and Organometallic Polymers and Materials, 0, , 1.	3.7	1