

Ying Liu

List of Publications by Year in descending order

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44
papers

937
citations

471061

17
h-index

500791

28
g-index

46
all docs

46
docs citations

46
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	A theoretical investigation of the quarter-wavelength model-part 2: verification and extension. <i>Physica Scripta</i> , 2022, 97, 015806.	1.2	26
2	Natural Mathematical Derivation of the Gibbs–Duhem Equation Related to $\hat{\Gamma}G$ and $\hat{G}/\hat{\Gamma}^{3/4}$. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	1.0	6
3	A theoretical analysis of the relationships shown from the general experimental results of scattering parameters s_{11} and s_{21} exemplified by the film of $\text{BaFe}_{12}\text{-i-Ce-i-O}_{19}$ /polypyrrole with $i = 0.2, 0.4, 0.6$. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2021, 55, 197-218.	0.4	19
4	A theoretical investigation on the quarter-wavelength model “ part 1: analysis. <i>Physica Scripta</i> , 2021, 96, 125003.	1.2	25
5	An experimental and theoretical investigation into methods concerned with reflection loss for microwave absorbing materials. <i>Materials Chemistry and Physics</i> , 2020, 243, 122624.	2.0	35
6	Relationship between heat capacities derived by different but connected approaches. <i>American Journal of Physics</i> , 2020, 88, 51-59.	0.3	6
7	Microwave absorption properties of $\text{Ag/NiFe}_{2-x}\text{Ce}_x\text{O}_4$ characterized by an alternative procedure rather than the main stream method using reflection loss. <i>Materials Chemistry and Physics</i> , 2020, 243, 122615.	2.0	18
8	Ionic liquid assisted preparation of phosphorus-doped g-C ₃ N ₄ photocatalyst for decomposition of emerging water pollutants. <i>Materials Chemistry and Physics</i> , 2020, 253, 123322.	2.0	43
9	Construction of 1D Ag-AgBr/AlOOH Plasmonic Photocatalyst for Degradation of Tetracycline Hydrochloride. <i>Frontiers in Chemistry</i> , 2020, 8, 117.	1.8	27
10	Clarifications of concepts concerning interplanar spacing in crystals with reference to recent publications. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	17
11	High photocatalytic degradation efficiency of oxytetracycline hydrochloride over Ag/AgCl/BiVO ₄ plasmonic photocatalyst. <i>Solid State Sciences</i> , 2019, 96, 105946.	1.5	42
12	Characterization microwave absorption from active carbon/ $\text{BaSm}_x\text{Fe}_{12-x}\text{O}_{19}$ /polypyrrole composites analyzed with a more rigorous method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1936-1956.	1.1	16
13	Microwave absorption enhancement and loss mechanism of lamellar MnO ₂ nanosheets decorated reduced graphene oxide hybrid. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 842-854.	1.1	18
14	Broadband microwave absorption of $\text{Fe}_3\text{O}_4/\text{BaTiO}_3$ composites enhanced by interfacial polarization and impedance matching. <i>Composites Part B: Engineering</i> , 2019, 163, 598-605.	5.9	96
15	A theoretical and practical clarification on the calculation of reflection loss for microwave absorbing materials. <i>AIP Advances</i> , 2018, 8, .	0.6	39
16	A systemized parameter set applicable to microwave absorption for ferrite based materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1562-1575.	1.1	18
17	Preparation and characterization of $\text{BaSm}_x\text{Fe}_{12-x}\text{O}_{19}$ /polypyrrole composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13148-13160.	1.1	6
18	Preparation and characterizations of active carbon/barium ferrite/polypyrrole composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6448-6455.	1.1	13

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19	Preparation and characterizations of Ba _{1-x} PbxFe ₁₂ O ₁₉ /polypyrrole composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 11325-11331.	1.1	7
20	Several Theoretical Perspectives of Ferrite-Based Materials—Part 1: Transmission Line Theory and Microwave Absorption. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2489-2504.	0.8	30
21	Comparison of calculations for interplanar distances in a crystal lattice. Crystallography Reviews, 2017, 23, 252-301.	0.4	15
22	Several Theoretical Perspectives of Ferrite-Based Materials—Part 2: Close Packing Model for Crystal Structure. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2777-2789.	0.8	7
23	Several Theoretical Perspectives of Ferrite-Based Materials-Part 3: Crystal Structure and Synthesis. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3019-3025.	0.8	3
24	Increasing microwave absorption efficiency in ferrite based materials by doping with lead and forming composites. Materials Chemistry and Physics, 2015, 162, 677-685.	2.0	11
25	A mathematical approach to chemical equilibrium theory for gaseous systems IV: a mathematical clarification of Le Chatelier's principle. Journal of Mathematical Chemistry, 2015, 53, 1835-1870.	0.7	10
26	A comparative study of Fe ₃ O ₄ /polyaniline composites with octahedral and microspherical inorganic kernels. Journal of Materials Science, 2014, 49, 3694-3704.	1.7	15
27	A mathematical approach to chemical equilibrium theory for gaseous systems—III: \mathbb{Q}_p , \mathbb{Q}_c , and \mathbb{Q}_x . Journal of Mathematical Chemistry, 2014, 52, 1191-1200.	0.7	2
28	The handedness structure of octahedral metal complexes with chelating ligands. Coordination Chemistry Reviews, 2014, 260, 37-64.	9.5	16
29	A mathematical approach to chemical equilibrium theory for gaseous systems—I: theory. Journal of Mathematical Chemistry, 2013, 51, 715-740.	0.7	9
30	A mathematical approach to chemical equilibrium theory for gaseous systems—II: extensions and applications. Journal of Mathematical Chemistry, 2013, 51, 741-762.	0.7	5
31	Correlation between Fourier series expansion and Hückel orbital theory. Journal of Mathematical Chemistry, 2013, 51, 503-531.	0.7	8
32	Anodic Polarization Curves Revisited. Journal of Chemical Education, 2013, 90, 76-81.	1.1	6
33	Connections between Concepts Revealed by the Electronic Structure of Carbon Monoxide. Journal of Chemical Education, 2012, 89, 355-359.	1.1	5
34	Optimizing the methods of synthesis for barium hexagonal ferrite—An experimental and theoretical study. Materials Chemistry and Physics, 2012, 134, 266-272.	2.0	25
35	A New Method for Obtaining Russell-Saunders Terms. Journal of Chemical Education, 2011, 88, 295-298.	1.1	11
36	Correlations between two sets of angular relation equations. Journal of Mathematical Chemistry, 2011, 49, 2089-2108.	0.7	10

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37	Preparation and magnetic properties of barium ferrites substituted with manganese, cobalt, and tin. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 945-953.	1.0	63
38	Correlation between regioselectivity and site charge in propene polymerisation catalysed by metallocene. <i>Structural Chemistry</i> , 2010, 21, 21-28.	1.0	17
39	Efficiency and purity control in the preparation of pure and/or aluminum-doped barium ferrites by hydrothermal methods using ferrous ions as reactants. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 366-374.	1.0	71
40	Preparation, characterization and magnetic properties of the doped barium hexaferrites $BaFe_{12}xCo_x/2Zn_x/2Sn_xO_{19}$, $x=0.0\text{--}2.0$. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 814-818.	1.0	44
41	Preparation and magnetic properties of La ²⁺ Mn and La ²⁺ Co doped barium hexaferrites prepared via an improved co-precipitation/molten salt method. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3342-3345.	1.0	45
42	Intermediate ion stability and regioselectivity in propene polymerization using neutral salicylaldiminato nickel(II) and palladium(II) complexes as catalysts. <i>Computational and Theoretical Chemistry</i> , 2007, 809, 29-37.	1.5	11
43	Where Should the Nuclei Be Located?. <i>Journal of Chemical Education</i> , 2005, 82, 320.	1.1	5
44	Structure Information of Barium Hexaferrite and Strategies for its Syntheses. <i>Applied Mechanics and Materials</i> , 0, 69, 6-11.	0.2	16