

Xiaojing Liu

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57
papers

882
citations

19
h-index

28
g-index

58
ext. papers

1,049
ext. citations

3.6
avg, IF

3.86
L-index

#	Paper	IF	Citations
57	NiCoO ₂ Based Supercapacitor Nanomaterials. <i>Nanomaterials</i> , 2017 , 7,	5.4	91
56	Facile synthesis of MoO ₂ nanoparticles as high performance supercapacitor electrodes and photocatalysts. <i>Ceramics International</i> , 2016 , 42, 2198-2203	5.1	56
55	Rational design of sensitivity enhanced and stability improved TEA gas sensor assembled with Pd nanoparticles-functionalized In ₂ O ₃ composites. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 1-10	8.5	51
54	Synthesis of Ce-doped In ₂ O ₃ nanostructure for gas sensor applications. <i>Applied Surface Science</i> , 2018 , 428, 478-484	6.7	44
53	Facile preparation of hierarchical Sb-doped In ₂ O ₃ microstructures for acetone detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 304-311	8.5	43
52	Controlled assembly of Bi ₂ S ₃ architectures as Schottky diode, supercapacitor electrodes and highly efficient photocatalysts. <i>RSC Advances</i> , 2014 , 4, 41636-41641	3.7	42
51	Design of superior ethanol gas sensor based on indium oxide/molybdenum disulfide nanocomposite via hydrothermal route. <i>Applied Surface Science</i> , 2018 , 447, 49-56	6.7	34
50	Photoluminescence studies from ZnO nanorod arrays synthesized by hydrothermal method with polyvinyl alcohol as surfactant. <i>Materials Letters</i> , 2008 , 62, 2637-2639	3.3	31
49	Morphology and Physical Properties of L-Arginine Trifluoroacetate Crystals. <i>Crystal Growth and Design</i> , 2008 , 8, 2270-2274	3.5	30
48	Synthesis of Zn-doped In ₂ O ₃ nano sphere architectures as a triethylamine gas sensor and photocatalytic properties. <i>RSC Advances</i> , 2016 , 6, 89847-89854	3.7	29
47	Growth and characterization of the nonlinear optical single crystal: l-lysine acetate. <i>Journal of Crystal Growth</i> , 2008 , 310, 2842-2847	1.6	28
46	Growth and characterization of a nonlinear optical crystal: l-histidine trifluoroacetate. <i>Journal of Crystal Growth</i> , 2009 , 311, 3904-3910	1.6	26
45	Growth and characterization of the nonlinear optical crystal: L-arginine trifluoroacetate. <i>Crystal Research and Technology</i> , 2007 , 42, 812-816	1.3	24
44	One-Step Solvothermal Method to Prepare Ag/Cu ₂ O Composite With Enhanced Photocatalytic Properties. <i>Nanoscale Research Letters</i> , 2016 , 11, 29	5	23
43	Single crystal growth, structural characterization, thermal and optical properties of a novel organometallic nonlinear optical crystal: MnHg(SCN) ₄ (C ₂ H ₅ NO) ₂ . <i>Physica B: Condensed Matter</i> , 2010 , 405, 1071-1080	2.8	23
42	Electrochemical sensor to environmental pollutant of acetone based on Pd-loaded on mesoporous In ₂ O ₃ architecture. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 217-225	8.5	22
41	Fabrication of zirconia mesoporous fibers by using polyorganozirconium compound as precursor. <i>Microporous and Mesoporous Materials</i> , 2009 , 119, 230-236	5.3	21

40	Crystal growth of high quality nonlinear optical crystals of l-arginine trifluoroacetate. <i>Journal of Crystal Growth</i> , 2007 , 308, 130-132	1.6	21
39	Measurement of l-arginine trifluoroacetate crystal nucleation kinetics. <i>Journal of Crystal Growth</i> , 2008 , 310, 2590-2592	1.6	19
38	Core-shell Ag@In ₂ O ₃ hollow hetero-nanostructures for selective ethanol detection in air. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127450	8.5	19
37	First-principles study on the electronic and magnetic properties of InN nanosheets doped with 2p elements. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 67, 1-6	3	17
36	Effect of Ce ³⁺ doping and calcination on the photoluminescence of ZrO ₂ (3% Y ₂ O ₃) fibers. <i>Materials Research Bulletin</i> , 2008 , 43, 1032-1037	5.1	16
35	Investigation on the micro-crystallization of l-arginine trifluoroacetate (LATF) crystals. <i>Journal of Alloys and Compounds</i> , 2007 , 441, 323-326	5.7	16
34	Theoretical calculation and vibrational spectral analysis of L-arginine trifluoroacetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 663-8	4.4	15
33	Thermal behavior of polyacetylacetonatozirconium (PAZ). <i>Thermochimica Acta</i> , 2008 , 473, 81-85	2.9	15
32	A first-principles study of ferromagnetism in Pd-doped ZnO. <i>Solid State Communications</i> , 2011 , 151, 864-866	13	
31	An Examination of the Growth Kinetics of l-Arginine Trifluoroacetate (LATF) Crystals from Induction Period and Atomic Force Microscopy Investigations. <i>Crystal Growth and Design</i> , 2010 , 10, 3442-3447	3.5	12
30	Crystallization process and microstructure of sol-gel derived Pb _{0.9} La _{0.1} Ti _{0.875} O ₃ fine fibers with a novel heat-treatment process. <i>Solid State Sciences</i> , 2008 , 10, 859-863	3.4	12
29	The origin of ferromagnetism in Pd-doped CdS. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2039-2042	2.8	10
28	Atomic Force Microscopy Studies on {101} Surfaces of l-arginine Trifluoroacetate Single Crystals. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14165-14169	3.8	8
27	Growth of Cu ²⁺ and Mg ²⁺ doped nonlinear optical LATF crystals and their characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 166, 203-208	3.1	7
26	Nucleation growth mechanism and defects of nonlinear optical crystals of l-Arg-L-3COOH. <i>Materials Letters</i> , 2008 , 62, 1986-1988	3.3	7
25	Distinct growth phenomenon observed on l-Arg-L-3COOH crystals. <i>Current Applied Physics</i> , 2009 , 9, 22-25	5	
24	Growth and properties of an organometallic nonlinear optical crystal: bis(isothiocyanato)-bis(4-methylpyridine)zinc(II) (Zn(SCN) ₂ (C ₆ H ₇ N) ₂). <i>Crystal Research and Technology</i> , 2006 , 41, 1226-1230	1.3	5
23	Theoretical calculations and surface morphology studies of L-threonine formate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 101, 389-93	4.4	4

22	Growth morphology of {101} surfaces of l-arginine trifluoroacetate crystals investigated by AFM. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 608-610	3.9	4
21	AFM investigation of the {101} surface morphology of l-arginine trifluoroacetate (LATF) crystals. <i>Solid State Sciences</i> , 2007 , 9, 527-530	3.4	4
20	Hyperpolarizability calculation and kinetic effect of impurities on LVP. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 378-82	4.4	3
19	Molecular structure, spectroscopic, chemical reactivity, and nonlinear optical analysis of l-phenylalanine-benzoic acid optical crystals. <i>Optik</i> , 2016 , 127, 4881-4888	2.5	3
18	Kinetics of LPP crystal nucleation and interface morphology studies. <i>Optik</i> , 2016 , 127, 1438-1441	2.5	3
17	Observation of the Kinetic Roughening of l-Arginine Trifluoroacetate (LATF) Crystals. <i>Crystal Growth and Design</i> , 2011 , 11, 791-795	3.5	3
16	Imaging of surface morphologies of l-arginine trifluoroacetate crystals. <i>Current Applied Physics</i> , 2010 , 10, 715-717	2.6	3
15	Atomic force microscopy study on surface morphology of {0 0 1} faces of [MnHg(SCN) ₄ (H ₂ O) ₂] ₂ C ₄ H ₉ NO crystals. <i>Applied Surface Science</i> , 2007 , 253, 3674-3677	6.7	3
14	Mesoporous MoO ₂ Grown on Carbon Fiber as Flexible Supercapacitor Electrodes. <i>Science of Advanced Materials</i> , 2016 , 8, 1263-1267	2.3	3
13	Kinetics of crystal growth of glycine manganese chloride in aqueous supersaturated solutions. <i>Optik</i> , 2018 , 164, 443-448	2.5	2
12	Theoretical investigations of optical properties of l-arginine trifluoroacetate crystal. <i>Materials Chemistry and Physics</i> , 2013 , 142, 286-291	4.4	2
11	Growth morphologies and optical properties of LTA single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 116, 281-5	4.4	2
10	GROWTH AND SURFACE MORPHOLOGY OF {101} CLEAVAGE PLANES OF L-ARGININE TRIFLUOROACETATE CRYSTALS. <i>Surface Review and Letters</i> , 2007 , 14, 439-444	1.1	2
9	Interface morphology and DFT computation of L-valinium fumarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 162-7	4.4	1
8	Preparation and photoluminescent properties of Ni ²⁺ -doped ZrO ₂ fibers. <i>Optics Communications</i> , 2008 , 281, 2548-2551	2	1
7	EX SITU ATOMIC FORCE MICROSCOPY STUDIES OF SURFACE MORPHOLOGY ON {001} FACES OF MMTWD CRYSTALS. <i>Surface Review and Letters</i> , 2006 , 13, 607-611	1.1	1
6	Improvement toluene detection of gas sensors based on flower-like porous indium oxide nanosheets. <i>Journal of Alloys and Compounds</i> , 2022 , 897, 163222	5.7	1
5	New Properties of Two-Dimensional Materials: Highly Effective Thermal Catalytic Degradation Activity. <i>ChemistrySelect</i> , 2018 , 3, 10133-10138	1.8	1

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| 4 | Heterogeneous nucleation and growth analysis of GBBC optical materials. <i>Optik</i> , 2017 , 136, 8-11 | 2.5 |
| 3 | Non Linear Optical, Thermodynamic Analysis and Spectroscopic Investigation of GPA Optical Materials. <i>Key Engineering Materials</i> , 2017 , 730, 106-111 | 0.4 |
| 2 | Growth mechanism, electronic spectral investigation and molecular orbital studies of L-prolinium phosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 470-5 | 4.4 |
| 1 | STUDY OF THE SURFACE MORPHOLOGY OF THE {101} CLEAVAGE PLANES OF LATF CRYSTALS BY ATOMIC FORCE MICROSCOPY. <i>Surface Review and Letters</i> , 2007 , 14, 431-434 | 1.1 |