Xiaojing Liu

List of Publications by Year in descending order

58 papers	1,228 citations	361045 20 h-index	377514 34 g-index
58 all docs	58 docs citations	58 times ranked	1383 citing authors

#	Article	IF	Citations
1	NiCo2O4-Based Supercapacitor Nanomaterials. Nanomaterials, 2017, 7, 41.	1.9	129
2	Rational design of sensitivity enhanced and stability improved TEA gas sensor assembled with Pd nanoparticles-functionalized In2O3 composites. Sensors and Actuators B: Chemical, 2019, 285, 1-10.	4.0	93
3	Synthesis of Ce-doped In2O3 nanostructure for gas sensor applications. Applied Surface Science, 2018, 428, 478-484.	3.1	90
4	Facile synthesis of MoO2 nanoparticles as high performance supercapacitor electrodes and photocatalysts. Ceramics International, 2016, 42, 2198-2203.	2.3	74
5	Facile preparation of hierarchical Sb-doped In2O3 microstructures for acetone detection. Sensors and Actuators B: Chemical, 2018, 270, 304-311.	4.0	70
6	Controlled assembly of Bi₂S₃ architectures as Schottky diode, supercapacitor electrodes and highly efficient photocatalysts. RSC Advances, 2014, 4, 41636-41641.	1.7	56
7	Design of superior ethanol gas sensor based on indium oxide/molybdenum disulfide nanocomposite via hydrothermal route. Applied Surface Science, 2018, 447, 49-56.	3.1	50
8	Synthesis of Zn-doped In₂O₃nano sphere architectures as a triethylamine gas sensor and photocatalytic properties. RSC Advances, 2016, 6, 89847-89854.	1.7	46
9	Core-shell Ag@In2O3 hollow hetero-nanostructures for selective ethanol detection in air. Sensors and Actuators B: Chemical, 2020, 305, 127450.	4.0	44
10	Morphology and Physical Properties of <scp>l</scp>-Arginine Trifluoroacetate Crystals. Crystal Growth and Design, 2008, 8, 2270-2274.	1.4	40
11	Electrochemical sensor to environmental pollutant of acetone based on Pd-loaded on mesoporous In2O3 architecture. Sensors and Actuators B: Chemical, 2019, 290, 217-225.	4.0	35
12	Growth and characterization of the nonlinear optical single crystal: l-lysine acetate. Journal of Crystal Growth, 2008, 310, 2842-2847.	0.7	33
13	Photoluminescence studies from ZnO nanorod arrays synthesized by hydrothermal method with polyvinyl alcohol as surfactant. Materials Letters, 2008, 62, 2637-2639.	1.3	33
14	One-Step Solvothermal Method to Prepare Ag/Cu2O Composite With Enhanced Photocatalytic Properties. Nanoscale Research Letters, 2016, 11, 29.	3.1	31
15	Growth and characterization of a nonlinear optical crystal: l-histidine trifluoroacetate. Journal of Crystal Growth, 2009, 311, 3904-3910.	0.7	30
16	Single crystal growth, structural characterization, thermal and optical properties of a novel organometallic nonlinear optical crystal: MnHg(SCN)4(C2H5NO)2. Physica B: Condensed Matter, 2010, 405, 1071-1080.	1.3	30
17	Growth and characterization of the nonlinear optical crystal: Lâ€arginine trifluoroacetate. Crystal Research and Technology, 2007, 42, 812-816.	0.6	26
18	Crystal growth of high quality nonlinear optical crystals of l-arginine trifluoroacetate. Journal of Crystal Growth, 2007, 308, 130-132.	0.7	24

#	Article	IF	Citations
19	Fabrication of zirconia mesoporous fibers by using polyorganozirconium compound as precursor. Microporous and Mesoporous Materials, 2009, 119, 230-236.	2.2	23
20	Investigation on the micro-crystallization of l-arginine trifluoroacetate (LATF) crystals. Journal of Alloys and Compounds, 2007, 441, 323-326.	2.8	20
21	Measurement of l-arginine trifluoroacetate crystal nucleation kinetics. Journal of Crystal Growth, 2008, 310, 2590-2592.	0.7	20
22	First-principles study on the electronic and magnetic properties of InN nanosheets doped with 2p elements. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 1-6.	1.3	20
23	Theoretical calculation and vibrational spectral analysis of l-arginine trifluoroacetate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 663-668.	2.0	19
24	Effect of Ce3+ doping and calcination on the photoluminescence of ZrO2 (3% Y2O3) fibers. Materials Research Bulletin, 2008, 43, 1032-1037.	2.7	19
25	Improvement toluene detection of gas sensors based on flower-like porous indium oxide nanosheets. Journal of Alloys and Compounds, 2022, 897, 163222.	2.8	17
26	Thermal behavior of polyacetylacetonatozirconium (PAZ). Thermochimica Acta, 2008, 473, 81-85.	1.2	16
27	An Examination of the Growth Kinetics of <scp>l</scp>-Arginine Trifluoroacetate (LATF) Crystals from Induction Period and Atomic Force Microscopy Investigations. Crystal Growth and Design, 2010, 10, 3442-3447.	1.4	15
28	A first-principles study of ferromagnetism in Pd-doped ZnO. Solid State Communications, 2011, 151, 864-866.	0.9	14
29	Crystallization process and microstructure of solâ€“gel derived Pb0.9La0.1Ti0.875O3 fine fibers with a novel heat-treatment process. Solid State Sciences, 2008, 10, 859-863.	1.5	12
30	The origin of ferromagnetism in Pd-doped CdS. Journal of Magnetism and Magnetic Materials, 2012, 324, 2039-2042.	1.0	11
31	Atomic Force Microscopy Studies on {101} Surfaces of <scp>l</scp>-arginine Trifluoroacetate Single Crystals. Journal of Physical Chemistry C, 2007, 111, 14165-14169.	1.5	10
32	Growth of Cu2+ and Mg2+ doped nonlinear optical LATF crystals and their characterization. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 166, 203-208.	1.7	10
33	Nucleation growth mechanism and defects of nonlinear optical crystals of l-ArgÂ·CF3COOH. Materials Letters, 2008, 62, 1986-1988.	1.3	7
34	Growth and properties of an organometallic nonlinear optical crystal: bis(isothiocyanato)-bis(4-methylpyridine)zinc(II) (Zn(SCN)2(C6H7N)2). Crystal Research and Technology, 2006, 41, 1226-1230.	0.6	6
35	Distinct growth phenomenon observed on l-ArgÂ·CF3COOH crystals. Current Applied Physics, 2009, 9, 22-25.	1.1	5
36	GROWTH AND SURFACE MORPHOLOGY OF {101} CLEAVAGE PLANES OF L-ARGININE TRIFLUOROACETATE CRYSTALS. Surface Review and Letters, 2007, 14, 439-444.	0.5	4

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37	Growth morphology of {101} surfaces of l-arginine trifluoroacetate crystals investigated by AFM. Journal of Physics and Chemistry of Solids, 2007, 68, 608-610.	1.9	4
38	AFM investigation of the {101} surface morphology of l-arginine trifluoroacetate (LATF) crystals. Solid State Sciences, 2007, 9, 527-530.	1.5	4
39	Theoretical calculations and surface morphology studies of l-threonine formate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 101, 389-393.	2.0	4
40	Atomic force microscopy study on surface morphology of {0 0 1} faces of [MnHg(SCN) 4 (H 2 O) 2]Â·2C 4 H 9 NO crystals. Applied Surface Science, 2007, 253, 3674-3677.	3.1	3
41	Imaging of surface morphologies of l-arginine trifluoroacetate crystals. Current Applied Physics, 2010, 10, 715-717.	1.1	3
42	Observation of the Kinetic Roughening of <scp>l</scp>-Arginine Trifluoroacetate (LATF) Crystals. Crystal Growth and Design, 2011, 11, 791-795.	1.4	3
43	Growth morphologies and optical properties of LTA single crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 281-285.	2.0	3
44	Hyperpolarizability calculation and kinetic effect of impurities on LVP. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 378-382.	2.0	3
45	Molecular structure, spectroscopic, chemical reactivity, and nonlinear optical analysis of l-phenylalanine-benzoic acid optical crystals. Optik, 2016, 127, 4881-4888.	1.4	3
46	Kinetics of LPP crystal nucleation and interface morphology studies. Optik, 2016, 127, 1438-1441.	1.4	3
47	Kinetics of crystal growth of glycine manganese chloride in aqueous supersaturated solutions. Optik, 2018, 164, 443-448.	1.4	3
48	Mesoporous MoO₂ Grown on Carbon Fiber as Flexible Supercapacitor Electrodes. Science of Advanced Materials, 2016, 8, 1263-1267.	0.1	3
49	Theoretical investigations of optical properties of l-arginine trifluoroacetate crystal. Materials Chemistry and Physics, 2013, 142, 286-291.	2.0	2
50	EX SITU ATOMIC FORCE MICROSCOPY STUDIES OF SURFACE MORPHOLOGY ON {001} FACES OF MMTWD CRYSTALS. Surface Review and Letters, 2006, 13, 607-611.	0.5	1
51	Preparation and photoluminescent properties of Ni2+-doped ZrO2 fibers. Optics Communications, 2008, 281, 2548-2551.	1.0	1
52	Interface morphology and DFT computation of l-valinium fumarate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 162-167.	2.0	1
53	New Properties of Twoâ€Đimensional Materials: Highly Effective Thermal Catalytic Degradation Activity. ChemistrySelect, 2018, 3, 10133-10138.	0.7	1
54	Porous Micro-/Nano-Structures of ZnO-/In2O3 Composite with Enhanced Gas Sensing Properties. Nanoscience and Nanotechnology Letters, 2017, 9, 1381-1386.	0.4	1

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55	STUDY OF THE SURFACE MORPHOLOGY OF THE {101} CLEAVAGE PLANES OF LATF CRYSTALS BY ATOMIC FORCE MICROSCOPY. Surface Review and Letters, 2007, 14, 431-434.	0.5	0
56	Growth mechanism, electronic spectral investigation and molecular orbital studies of l-prolinium phosphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 470-475.	2.0	0
57	Heterogeneous nucleation and growth analysis of GBBC optical materials. Optik, 2017, 136, 8-11.	1.4	0
58	Non Linear Optical, Thermodynamic Analysis and Spectroscopic Investigation of GPA Optical Materials. Key Engineering Materials, 2017, 730, 106-111.	0.4	0