

# Xiaojing Liu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/805937/xiaojing-liu-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Improvement toluene detection of gas sensors based on flower-like porous indium oxide nanosheets. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 897, 163222	5.7	1
56	Core-shell Ag@In <sub>2</sub> O <sub>3</sub> hollow hetero-nanostructures for selective ethanol detection in air. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127450	8.5	19
55	Electrochemical sensor to environmental pollutant of acetone based on Pd-loaded on mesoporous In <sub>2</sub> O <sub>3</sub> architecture. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 290, 217-225	8.5	22
54	Rational design of sensitivity enhanced and stability improved TEA gas sensor assembled with Pd nanoparticles-functionalized In <sub>2</sub> O <sub>3</sub> composites. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 1-10	8.5	51
53	Design of superior ethanol gas sensor based on indium oxide/molybdenum disulfide nanocomposite via hydrothermal route. <i>Applied Surface Science</i> , <b>2018</b> , 447, 49-56	6.7	34
52	Kinetics of crystal growth of glycine manganese chloride in aqueous supersaturated solutions. <i>Optik</i> , <b>2018</b> , 164, 443-448	2.5	2
51	Synthesis of Ce-doped In <sub>2</sub> O <sub>3</sub> nanostructure for gas sensor applications. <i>Applied Surface Science</i> , <b>2018</b> , 428, 478-484	6.7	44
50	New Properties of Two-Dimensional Materials: Highly Effective Thermal Catalytic Degradation Activity. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10133-10138	1.8	1
49	Facile preparation of hierarchical Sb-doped In <sub>2</sub> O <sub>3</sub> microstructures for acetone detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 270, 304-311	8.5	43
48	Heterogeneous nucleation and growth analysis of GBBC optical materials. <i>Optik</i> , <b>2017</b> , 136, 8-11	2.5	
47	Non Linear Optical, Thermodynamic Analysis and Spectroscopic Investigation of GPA Optical Materials. <i>Key Engineering Materials</i> , <b>2017</b> , 730, 106-111	0.4	
46	NiCo <sub>2</sub> O <sub>4</sub> Based Supercapacitor Nanomaterials. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	91
45	Facile synthesis of MoO <sub>2</sub> nanoparticles as high performance supercapacitor electrodes and photocatalysts. <i>Ceramics International</i> , <b>2016</b> , 42, 2198-2203	5.1	56
44	One-Step Solvothermal Method to Prepare Ag/Cu <sub>2</sub> O Composite With Enhanced Photocatalytic Properties. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 29	5	23
43	Molecular structure, spectroscopic, chemical reactivity, and nonlinear optical analysis of l-phenylalanine-benzoic acid optical crystals. <i>Optik</i> , <b>2016</b> , 127, 4881-4888	2.5	3
42	Kinetics of LPP crystal nucleation and interface morphology studies. <i>Optik</i> , <b>2016</b> , 127, 1438-1441	2.5	3
41	Mesoporous MoO <sub>2</sub> Grown on Carbon Fiber as Flexible Supercapacitor Electrodes. <i>Science of Advanced Materials</i> , <b>2016</b> , 8, 1263-1267	2.3	3

40	Synthesis of Zn-doped In <sub>2</sub> O <sub>3</sub> nano sphere architectures as a triethylamine gas sensor and photocatalytic properties. <i>RSC Advances</i> , <b>2016</b> , 6, 89847-89854	3-7	29
39	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> , <b>2015</b> , 67, 1-6	3	17
38	Hyperpolarizability calculation and kinetic effect of impurities on LVP. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 378-82	4-4	3
37	Interface morphology and DFT computation of L-valinium fumarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt B, 162-7	4-4	1
36	Growth mechanism, electronic spectral investigation and molecular orbital studies of L-prolinium phosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 150, 470-5	4-4	
35	Controlled assembly of Bi <sub>2</sub> S <sub>3</sub> architectures as Schottky diode, supercapacitor electrodes and highly efficient photocatalysts. <i>RSC Advances</i> , <b>2014</b> , 4, 41636-41641	3-7	42
34	Theoretical investigations of optical properties of l-arginine trifluoroacetate crystal. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 142, 286-291	4-4	2
33	Growth morphologies and optical properties of LTA single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 116, 281-5	4-4	2
32	Theoretical calculations and surface morphology studies of L-threonine formate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 101, 389-93	4-4	4
31	The origin of ferromagnetism in Pd-doped CdS. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 2039-2042	2-8	10
30	Observation of the Kinetic Roughening of l-Arginine Trifluoroacetate (LATF) Crystals. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 791-795	3-5	3
29	A first-principles study of ferromagnetism in Pd-doped ZnO. <i>Solid State Communications</i> , <b>2011</b> , 151, 864-866		13
28	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> , <b>2010</b> , 10, 3442-3447	3-5	12
27	Imaging of surface morphologies of l-arginine trifluoroacetate crystals. <i>Current Applied Physics</i> , <b>2010</b> , 10, 715-717	2-6	3
26	Single crystal growth, structural characterization, thermal and optical properties of a novel organometallic nonlinear optical crystal: MnHg(SCN) <sub>4</sub> (C <sub>2</sub> H <sub>5</sub> NO) <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 1071-1080	2-8	23
25	Growth of Cu <sup>2+</sup> and Mg <sup>2+</sup> doped nonlinear optical LATF crystals and their characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2010</b> , 166, 203-208	3-1	7
24	Distinct growth phenomenon observed on l-Arg[CF <sub>3</sub> COOH] crystals. <i>Current Applied Physics</i> , <b>2009</b> , 9, 22-25		5
23	Fabrication of zirconia mesoporous fibers by using polyorganozirconium compound as precursor. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 119, 230-236	5-3	21

22	Growth and characterization of a nonlinear optical crystal: l-histidine trifluoroacetate. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 3904-3910	1.6	26
21	Effect of Ce <sup>3+</sup> doping and calcination on the photoluminescence of ZrO <sub>2</sub> (3% Y <sub>2</sub> O <sub>3</sub> ) fibers. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 1032-1037	5.1	16
20	Nucleation growth mechanism and defects of nonlinear optical crystals of l-Arginine Trifluoroacetate. <i>Materials Letters</i> , <b>2008</b> , 62, 1986-1988	3.3	7
19	Photoluminescence studies from ZnO nanorod arrays synthesized by hydrothermal method with polyvinyl alcohol as surfactant. <i>Materials Letters</i> , <b>2008</b> , 62, 2637-2639	3.3	31
18	Crystallization process and microstructure of sol-gel derived Pb <sub>0.9</sub> La <sub>0.1</sub> Ti <sub>0.875</sub> O <sub>3</sub> fine fibers with a novel heat-treatment process. <i>Solid State Sciences</i> , <b>2008</b> , 10, 859-863	3.4	12
17	Morphology and Physical Properties of l-Arginine Trifluoroacetate Crystals. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2270-2274	3.5	30
16	Measurement of l-arginine trifluoroacetate crystal nucleation kinetics. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2590-2592	1.6	19
15	Growth and characterization of the nonlinear optical single crystal: l-lysine acetate. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 2842-2847	1.6	28
14	Theoretical calculation and vibrational spectral analysis of L-arginine trifluoroacetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 71, 663-8	4.4	15
13	Thermal behavior of polyacetylacetonatozirconium (PAZ). <i>Thermochimica Acta</i> , <b>2008</b> , 473, 81-85	2.9	15
12	Preparation and photoluminescent properties of Ni <sup>2+</sup> -doped ZrO <sub>2</sub> fibers. <i>Optics Communications</i> , <b>2008</b> , 281, 2548-2551	2	1
11	Atomic Force Microscopy Studies on {101} Surfaces of l-arginine Trifluoroacetate Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 14165-14169	3.8	8
10	Growth and characterization of the nonlinear optical crystal: L-arginine trifluoroacetate. <i>Crystal Research and Technology</i> , <b>2007</b> , 42, 812-816	1.3	24
9	Atomic force microscopy study on surface morphology of {0 0 1} faces of [MnHg(SCN) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>2</sub> C <sub>4</sub> H <sub>9</sub> NO crystals. <i>Applied Surface Science</i> , <b>2007</b> , 253, 3674-3677	6.7	3
8	Growth morphology of {101} surfaces of l-arginine trifluoroacetate crystals investigated by AFM. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 608-610	3.9	4
7	Crystal growth of high quality nonlinear optical crystals of l-arginine trifluoroacetate. <i>Journal of Crystal Growth</i> , <b>2007</b> , 308, 130-132	1.6	21
6	AFM investigation of the {101} surface morphology of l-arginine trifluoroacetate (LATF) crystals. <i>Solid State Sciences</i> , <b>2007</b> , 9, 527-530	3.4	4
5	STUDY OF THE SURFACE MORPHOLOGY OF THE {101} CLEAVAGE PLANES OF LATF CRYSTALS BY ATOMIC FORCE MICROSCOPY. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 431-434	1.1	

4	GROWTH AND SURFACE MORPHOLOGY OF {101} CLEAVAGE PLANES OF L-ARGININE TRIFLUOROACETATE CRYSTALS. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 439-444	1.1	2
3	Investigation on the micro-crystallization of l-arginine trifluoroacetate (LATF) crystals. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 441, 323-326	5.7	16
2	Growth and properties of an organometallic nonlinear optical crystal: bis(isothiocyanato)-bis(4-methylpyridine)zinc(II) (Zn(SCN) <sub>2</sub> (C <sub>6</sub> H <sub>7</sub> N) <sub>2</sub> ). <i>Crystal Research and Technology</i> , <b>2006</b> , 41, 1226-1230	1.3	5
1	EX SITU ATOMIC FORCE MICROSCOPY STUDIES OF SURFACE MORPHOLOGY ON {001} FACES OF MMTWD CRYSTALS. <i>Surface Review and Letters</i> , <b>2006</b> , 13, 607-611	1.1	1