

Jin-Ku Liu

List of Publications by Year in descending order

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394421

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1318
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#	ARTICLE	IF	CITATIONS
1	Preparation and electrochemical inhibition properties of Ce ³⁺ -photomodified zinc phosphate materials. <i>New Journal of Chemistry</i> , 2022, 46, 2068-2080.	2.8	0
2	High Anticorrosion Properties due to Electron Spin Polarization of Hydroxyapatite with Point Defects. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4179-4190.	3.7	2
3	Intelligently assembly of W ₁₈ O ₄₉ nanorod clusters with directionally generated oxygen vacancies and excellent electrochemical properties. <i>Nano Research</i> , 2022, 15, 3575-3586.	10.4	7
4	Enhancing Corrosion Inhibition Performance of ZnO Solid Solution by Doping Variable-Valence Rare-Earth Element Cerium. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 421-432.	3.7	9
5	Improved anticorrosion performance of mixed valence Mn-modified ZnO dilute magnetic solid solution with multilevel self-assembled network structure. <i>Nano Research</i> , 2022, 15, 6590-6600.	10.4	5
6	Gradient Design of Vacancies and Their Positive Correlation with Electrochemical Anticorrosion Protection. <i>Inorganic Chemistry</i> , 2022, 61, 8053-8065.	4.0	8
7	Converting CO ₂ Hydrogenation Products from Paraffins to Olefins: Modification of Zeolite Surface Properties by a UIO-66 Membrane. <i>ACS Catalysis</i> , 2022, 12, 5894-5902.	11.2	10
8	Excellent corrosion resistance of FGO/Zn ₂ SiO ₄ composite material in epoxy coatings. <i>Progress in Organic Coatings</i> , 2022, 170, 106992.	3.9	8
9	Self-induced synthesis under neutral conditions and novel visible light photocatalytic activity of Ag ₄ V ₂ O ₇ polyoxometalate. <i>New Journal of Chemistry</i> , 2021, 45, 9569-9581.	2.8	9
10	Enhancing Anticorrosion Properties of Micro-Nano Zinc Vanadate from Atomic Modulation Supplemented by Light Modification. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10064-10075.	3.7	4
11	UIO66-membranized SAPO-34 Pt catalyst for enhanced carbon dioxide conversion efficiency. <i>Materials Today Energy</i> , 2021, 21, 100781.	4.7	6
12	Oxygen Vacancy Defects and a Field Effect-Mediated ZnO/WO _{2.92} Heterojunction for Enhanced Corrosion Resistance. <i>Inorganic Chemistry</i> , 2021, 60, 15390-15403.	4.0	14
13	Composition design and anticorrosion performance optimization of zinc molybdate pigments. <i>Materials Today Communications</i> , 2021, 28, 102477.	1.9	6
14	Research on correlation between corrosion resistance and photocatalytic activity of molybdenum zinc oxide modified by carbon quantum dots pigments. <i>Dyes and Pigments</i> , 2020, 175, 108148.	3.7	12
15	Improving anticorrosion performance of hydroxyapatite via controlling exposed crystal surface and applications. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156290.	5.5	9
16	In-situ bonding technology and excellent anticorrosion activity of graphene oxide / hydroxyapatite nanocomposite pigment. <i>Dyes and Pigments</i> , 2019, 160, 109-118.	3.7	51
17	Design and Application of Ag ₃ PO ₄ @Ag ₄ V ₂ O ₇ Z-Scheme Photocatalysts with a Micro-Nano Tube-Cluster Structure for the Co-Degradation of Nitrate and Ammonia in Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18027-18035.	3.7	19
18	Surface coordination and excellent anticorrosion performance of strontiumapatite nanocomposite. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 656-666.	5.8	5

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19	Assembly and copper ions detection of highly sensible and stable carbon dots/hydroxyapatite fluorescence probe. <i>Materials Technology</i> , 2019, 34, 674-682.	3.0	8
20	Anticorrosion Performance and Application of a Mixed-Valence Mn ⁰ _x /Mn ²⁺ _{0.05} Zn ^{0.95} O Solid Solution Induced by Magnetic Doping. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22779-22790.	3.7	8
21	Construction, enhanced visible-light photocatalytic activity and application of multiple complementary Ag dots decorated onto Ag ₂ MoO ₄ /AZO hybrid nanocomposite. <i>Research on Chemical Intermediates</i> , 2019, 45, 873-892.	2.7	6
22	Mass preparation and anticorrosion mechanism of highly triple-effective corrosion inhibition performance for co-modified zinc phosphate-based pigments. <i>Dyes and Pigments</i> , 2019, 161, 489-499.	3.7	28
23	Rapid degradation of unmanageable polycyclic aromatic hydrocarbons by a C-ZnO solid solution nanocatalyst. <i>New Journal of Chemistry</i> , 2018, 42, 4308-4316.	2.8	8
24	Multistage Assembled Rubik's Cube-like Structure and Outstanding Anticorrosion Performance Induced by Magnetic Metal Doping. <i>Chemistry of Materials</i> , 2018, 30, 7296-7305.	6.7	20
25	Enhanced Anticorrosion Performance and Mass Preparation of Magnetic Metal-Doped Zinc Oxide Nano Solid Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10798-10808.	3.7	12
26	One step self-heating synthesis and their excellent anticorrosion performance of zinc phosphate/benzotriazole composite pigments. <i>Dyes and Pigments</i> , 2017, 141, 74-82.	3.7	33
27	Eminently Enhanced Anticorrosion Performance and Mechanisms of X-ZnO (X = C, N, and P) Solid Solutions. <i>Inorganic Chemistry</i> , 2017, 56, 12260-12271.	4.0	23
28	Thermal Perturbation Nucleation and Controllable Growth of Silver Vanadate Crystals by Dynamic Template Route. <i>Crystal Growth and Design</i> , 2017, 17, 4254-4264.	3.0	10
29	Plasmon-enhanced instantaneous photocatalytic activity of Au@Ag ₃ PO ₄ heterostructure targeted at emergency treatment of environmental pollution. <i>Journal of Materials Science</i> , 2017, 52, 2495-2510.	3.7	20
30	Design and preparation of easily recycled Ag ₂ WO ₄ @ZnO@Fe ₃ O ₄ ternary nanocomposites and their highly efficient degradation of antibiotics. <i>Journal of Materials Science</i> , 2016, 51, 7793-7802.	3.7	26
31	A New Complementary Catalyst and Catalytic Mechanism: Ag ₂ MoO ₄ /Ag/AgBr/GO Heterostructure. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9873-9879.	3.7	56
32	Mosaic structure effect and superior catalytic performance of AgBr/Ag ₂ MoO ₄ composite materials. <i>RSC Advances</i> , 2016, 6, 94771-94779.	3.6	13
33	Controlled synthesis and characterizations of thermo-stabilized Ag ₃ PO ₄ crystals. <i>Research on Chemical Intermediates</i> , 2016, 42, 8285-8304.	2.7	4
34	Enhanced photoelectric properties by the coordinating role of doping and modification. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4850-4859.	2.8	12
35	Mass-production route and application of ZnO nanocrystals modified with various elements (Li, Al, N). <i>Tj ETQq1 1 0,784314 rgBT /Overl</i>	2.7	8
36	An efficient photocatalyst for degradation of various organic dyes: Ag@Ag ₂ MoO ₄ @AgBr composite. <i>Journal of Hazardous Materials</i> , 2016, 307, 26-35.	12.4	109

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37	Photocatalytic activity of silver chromate materials by various synthesis methods. Journal of Experimental Nanoscience, 2016, 11, 650-659.	2.4	12
38	Production and Photoelectric Activity of P and Al Co-Doped ZnO Nanomaterials. European Journal of Inorganic Chemistry, 2015, 2015, 3708-3714.	2.0	15
39	Mass Production, Enhanced Visible Light Photocatalytic Efficiency, and Application of Modified ZnO Nanocrystals by Carbon Dots. Industrial & Engineering Chemistry Research, 2015, 54, 1766-1772.	3.7	45
40	Mass production and photoelectric performances of P and Al Co-doped ZnO nanocrystals under different cooling post-processes. Journal of Alloys and Compounds, 2015, 648, 438-444.	5.5	9
41	Mass preparation and novel visible light photocatalytic activity of C and Ag Co-modified ZnO nanocrystals. Journal of Colloid and Interface Science, 2015, 459, 1-9.	9.4	20
42	Thermal perturbation nucleation and growth of silver molybdate nanoclusters by a dynamic template route. CrystEngComm, 2015, 17, 5511-5521.	2.6	37
43	The facile synthesis, properties and application of ZAO nanomaterials. Journal of Experimental Nanoscience, 2015, 10, 738-745.	2.4	1
44	Construction of silver tungstate multilevel sphere clusters by controlling the energy distribution on the crystal surface. CrystEngComm, 2015, 17, 1129-1138.	2.6	35
45	PREPARATION AND ANTI-CORROSION PERFORMANCE OF ZINC PHOSPHATE NANOCRYSTALS BY ULTRASONIC-HYDROTHERMAL SYNERGISTIC ROUTE. Nano, 2014, 09, 1450059.	1.0	11
46	The biotoxicity of hydroxyapatite nanoparticles to the plant growth. Journal of Hazardous Materials, 2014, 270, 71-81.	12.4	28
47	Catalytic performance of gold nanoparticles using different crystallinity HAP as carrier materials. Materials Research Bulletin, 2014, 55, 190-197.	5.2	21
48	Light-dependent controlled synthesis and photocatalytic properties of stable Ag ₃ nanocrystals. Materials Research Bulletin, 2014, 60, 783-793.	5.2	7
49	High Degradation Activity and Quantity Production of Aluminum-Doped Zinc Oxide Nanocrystals Modified by Nitrogen Atoms. Industrial & Engineering Chemistry Research, 2014, 53, 2229-2237.	3.7	25
50	Atmospheric Self-induction Synthesis and Enhanced Visible Light Photocatalytic Performance of Fe ³⁺ Doped Ag-ZnO Mesocrystals. Industrial & Engineering Chemistry Research, 2014, 53, 13236-13246.	3.7	40
51	Assembly and copper ions detection of highly sensible and stable hydroxyapatite nanocomposite fluorescence probe. Micro and Nano Letters, 2014, 9, 127-131.	1.3	5
52	Silver Phosphate Crystal Growth by Screw Dislocation Driven of Dynamic-Template. Crystal Growth and Design, 2013, 13, 4837-4843.	3.0	30
53	THE CONTROLLED SYNTHESIS AND STERILIZATION PERFORMANCE OF Ag/Au NANOCOMPOSITE CHAINS. Nano, 2012, 07, 1150002.	1.0	3
54	IN SITU PREPARATION AND INHIBITORY ACTIVITY OF HYDROXYAPATITE/SILVER NANOCOMPOSITE. Nano, 2012, 07, 1250050.	1.0	7

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55	EFFECTIVE SYNTHESIS AND APPLICATION OF ZAO NANOPARTICLES WITH GOOD DISPERSION. Nano, 2012, 07, 1250017.	1.0	5
56	Preparation and characterization of CaCO ₃ crystals and CaCO ₃ /La ₂ (CO ₃) ₃ composited fluorescent materials. Journal of Composite Materials, 2012, 46, 91-97.	2.4	3
57	Preparation and Enhanced Catalyst Effect of Assembled Hydroxylapatite Microsphere Chains. Journal of Nanoscience and Nanotechnology, 2012, 12, 1924-1930.	0.9	4
58	Controlled synthesis of silver phosphate crystals with high photocatalytic activity and bacteriostatic activity. CrystEngComm, 2012, 14, 8714.	2.6	75
59	Controllable preparation and sterilization activity of zinc aluminium oxide nanoparticles. Materials Science and Engineering C, 2012, 32, 680-684.	7.3	18
60	Induced synthesis and characterisation of Ag and Ag ₂ S assembly nanoparticle chains. Journal of Experimental Nanoscience, 2011, 6, 209-216.	2.4	5
61	SYNTHESIS OF YTTRIA-STABILIZED CUBIC ZIRCONIA NANOCRYSTALS BY ULTRASONIC MICROWAVE ROUTE. Nano, 2010, 05, 271-277.	1.0	12
62	PREPARATION AND CHARACTERIZATION OF ELECTRIC ZAO NANOPARTICLES. Nano, 2010, 05, 215-220.	1.0	7
63	FACILE SYNTHESIS OF HYDROXYLAPATITE NANOSTRUCTURES WITH VARIOUS MORPHOLOGIES. Nano, 2009, 04, 165-170.	1.0	14
64	Preparation and optical properties of silver chromate self-assembly necklace structures. Journal of Nanoparticle Research, 2008, 10, 531-535.	1.9	15
65	Preparation of silver/hydroxyapatite nanocomposite spheres. Powder Technology, 2008, 184, 21-24.	4.2	56
66	FACILE SYNTHESIS OF COPPER NANOPARTICLE CHAINS. Nano, 2007, 02, 31-34.	1.0	8
67	SYNTHESIS OF CALCIUM OXALATE ASSEMBLY STRUCTURE AND CONVERSION. Nano, 2007, 02, 97-102.	1.0	5
68	Controlled synthesis of SrCrO ₄ crystals with different morphologies. Crystal Research and Technology, 2007, 42, 211-215.	1.3	14