

# Song Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6769708/publications.pdf>

Version: 2024-02-01

112  
papers

2,359  
citations

201575

27  
h-index

276775

41  
g-index

112  
all docs

112  
docs citations

112  
times ranked

3542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Co/Co <sub>3</sub> O <sub>4</sub> nanoparticles embedded into thin O-doped graphitic layer as bifunctional oxygen electrocatalysts for Zn-air batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 130931.	6.6	25
2	Catalytic reduction of carbon dioxide over two-dimensional boron monolayer. <i>Journal of Materials Science and Technology</i> , 2022, 110, 96-102.	5.6	11
3	Understanding the effect of interface on the charge separation in Bi <sub>2</sub> S <sub>3</sub> @Sn: $\delta$ -Fe <sub>2</sub> O <sub>3</sub> heterojunction for photoelectrochemical water oxidation. <i>Renewable Energy</i> , 2022, 191, 195-203.	4.3	4
4	Optimizing strength and electrical conductivity of Cu-Cr-Zr alloy by two-stage aging treatment. <i>Materials Letters</i> , 2022, 315, 131937.	1.3	11
5	High throughput screening driven discovery of Mn <sub>5</sub> Co <sub>10</sub> Fe <sub>30</sub> Ni <sub>55</sub> O <sub>x</sub> as electrocatalyst for water oxidation and electrospinning synthesis. <i>Applied Surface Science</i> , 2022, 588, 152959.	3.1	6
6	Fabrication of $\delta$ -Fe <sub>2</sub> O <sub>3</sub> /Ag film by spin coating with enhanced photoelectrochemical activity. <i>Materials Letters</i> , 2022, 318, 132201.	1.3	0
7	Accelerated oxygen evolution kinetics on hematite by Zn <sup>2+</sup> for boosting the photoelectrochemical water oxidation. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165853.	2.8	2
8	Effect of Heat Treatment Temperature on Microstructure and Properties of FeCoNiCuTi High-Entropy Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2022, 75, 1951-1956.	0.7	2
9	Two Anaerobic Ciliates (Ciliophora, Armophorea) from China: Morphology and SSU rDNA Sequence, with Report of a New Species, <i>Metopus paravestitus</i> nov. spec. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12822.	0.8	15
10	Carbon-CeO <sub>2</sub> interface confinement enhances the chemical stability of Pt nanocatalyst for catalytic oxidation reactions. <i>Science China Materials</i> , 2021, 64, 128-136.	3.5	17
11	Synchronous Growth of Porous MgO and Half-Embedded Nano-Ru on a Mg Plate: A Monolithic Catalyst for Fast Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3616-3623.	3.2	20
12	Taxonomy, phylogeny, and geographical distribution of the little-known <i>Helicoprordon multinucleatum</i> Dragesco, 1960 (Ciliophora, Haptorida) and key to species within the genus. <i>European Journal of Protistology</i> , 2021, 78, 125769.	0.5	18
13	Correlating Strength and Hardness of High-Entropy Alloys. <i>Advanced Engineering Materials</i> , 2021, 23, 2001514.	1.6	23
14	Morphology and molecular phylogeny of the anaerobic freshwater ciliate <i>Urostomides spinosus</i> nov. spec. (Ciliophora, Armophorea, Metopida) from China. <i>European Journal of Protistology</i> , 2021, 81, 125823.	0.5	13
15	Enhanced photoelectrochemical water oxidation in Hematite: Accelerated charge separation with Co doping. <i>Applied Surface Science</i> , 2021, 568, 150606.	3.1	13
16	Design, synthesis and evaluation of novel 5-phenylthiophene derivatives as potent fungicidal of <i>Candida albicans</i> and antifungal reagents of fluconazole-resistant fungi. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113740.	2.6	12
17	Solar energy protects steels against corrosion: Advancing Sn doped hematite as photoanode. <i>Surface and Coatings Technology</i> , 2021, 427, 127838.	2.2	8
18	Engineering the epitaxial interface of Pt-CeO <sub>2</sub> by surface redox reaction guided nucleation for low temperature CO oxidation. <i>Journal of Materials Science and Technology</i> , 2020, 40, 39-46.	5.6	33

#	ARTICLE	IF	CITATIONS
19	Microstructure, mechanical properties and magnetic properties of FeCoNiCuTiSix high-entropy alloys. <i>Science China Technological Sciences</i> , 2020, 63, 459-466.	2.0	14
20	Ultra-stable metal nano-catalyst synthesis strategy: a perspective. <i>Rare Metals</i> , 2020, 39, 113-130.	3.6	32
21	Light-switchable catalytic activity of Cu for oxygen reduction reaction. <i>Frontiers of Materials Science</i> , 2020, 14, 481-487.	1.1	1
22	Nanoscale nickel-iron nitride-derived efficient electrochemical oxygen evolution catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 4458-4466.	2.1	22
23	Electrospinning synthesis of transition metal alloy nanoparticles encapsulated in nitrogen-doped carbon layers as an advanced bifunctional oxygen electrode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7245-7252.	5.2	66
24	A novel plasma reduction for the preparation of AuPd bimetallic nanocatalyst and its application in selective oxidation of benzyl alcohols. <i>Materials Research Express</i> , 2020, 7, 016533.	0.8	1
25	Defective Fe <sup>3+</sup> self-doped spinel ZnFe <sub>2</sub> O <sub>4</sub> with oxygen vacancies for highly efficient photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 11934-11940.	1.6	12
26	Control of Catalytic Activity of Nano-Au through Tailoring the Fermi Level of Support. <i>Small</i> , 2019, 15, e1901789.	5.2	27
27	ZnO/ZnFe <sub>2</sub> O <sub>4</sub> /Ag hollow nanofibers with multicomponent heterojunctions for highly efficient photocatalytic water pollutants removal. <i>Ceramics International</i> , 2019, 45, 23522-23527.	2.3	13
28	Screening alloy electrocatalysts by combining magnetron sputtering and scanning electrochemical microscopy. <i>Philosophical Magazine Letters</i> , 2019, 99, 185-191.	0.5	1
29	An <i>in situ</i> Bi-decorated BiOBr photocatalyst for synchronously treating multiple antibiotics in water. <i>Nanoscale Advances</i> , 2019, 1, 1124-1129.	2.2	60
30	Abnormal thermal stability of sub-10 nm Au nanoparticles and their high catalytic activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10980-10987.	5.2	35
31	<i>In situ</i> synthesis of Ni/NiO composites with defect-rich ultrathin nanosheets for highly efficient biomass-derivative selective hydrogenation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17834-17841.	5.2	33
32	Novel porous ultrathin NiO nanosheets for highly efficient water vapor adsorption-desorption. <i>Separation and Purification Technology</i> , 2019, 226, 299-303.	3.9	10
33	Morphology and Molecular Phylogeny of Two Little-Known Species of <i>Loxodes</i> , <i>L. kahli</i> Dragesco & Njira, 1971 and <i>L. rostrum</i> Müller, 1786 (Protist, Ciliophora, Karyorelictea). <i>Journal of Ocean University of China</i> , 2019, 18, 643-653.	0.6	4
34	Synergistic effects of carbon-encapsulated cobalt/tricobalt tetroxide nanocapsules on hydrogenation of 4-nitrophenol. <i>Functional Materials Letters</i> , 2019, 12, 1950059.	0.7	1
35	Ni/NiO Nanocomposites with Rich Oxygen Vacancies as High-Performance Catalysts for Nitrophenol Hydrogenation. <i>Catalysts</i> , 2019, 9, 944.	1.6	8
36	Formation of a Pd/MgO Structured Catalyst for the Aqueous Oxidation of Silane to Silanol. <i>Catalysts</i> , 2019, 9, 834.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Synthesis of doped MnOx/diatomite composites for catalyzing ozone decomposition. <i>Ceramics International</i> , 2019, 45, 6966-6971.	2.3	16
38	Synthesis of CuOx@CeO2 catalyst with high-density interfaces for selective oxidation of CO in H2-rich stream. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4156-4166.	3.8	34
39	Preparation and visible-light-driven photocatalytic property of AgX (X = Cl, Br, I) nanomaterials. <i>Journal of Alloys and Compounds</i> , 2019, 776, 948-953.	2.8	19
40	In situ fabrication of $\text{Fe}_2\text{O}_3/\text{CaFe}_2\text{O}_4$ p-n heterojunction with enhanced VOCs photodegradation activity. <i>Advanced Powder Technology</i> , 2019, 30, 590-595.	2.0	21
41	Photocatalytic degradation of acetochlor by $\text{Fe}_2\text{O}_3$ nanoparticles with different morphologies in aqueous solution system. <i>Optik</i> , 2019, 178, 36-44.	1.4	17
42	Interface engineering of Co3O4 loaded CaFe2O4/Fe2O3 heterojunction for photoelectrochemical water oxidation. <i>Applied Surface Science</i> , 2019, 466, 92-98.	3.1	30
43	Microstructure, Mechanical Properties and Corrosion Behavior of Extruded Mg@Zn@Ag Alloys with Single-Phase Structure. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 575-583.	1.5	12
44	Photocatalytic degradation properties of $\text{Fe}_2\text{O}_3$ nanoparticles for dibutyl phthalate in aqueous solution system. <i>Royal Society Open Science</i> , 2018, 5, 172196.	1.1	29
45	Oxygen vacancy induced superior visible-light-driven photodegradation pollutant performance in BiOCl microflowers. <i>New Journal of Chemistry</i> , 2018, 42, 3614-3618.	1.4	35
46	Tuning orientation of doped hematite photoanodes for enhanced photoelectrochemical water oxidation. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 328-333.	3.0	51
47	Effect of cumulative strain on the microstructural and mechanical properties of Zn-0.02wt%Mg alloy wires during room-temperature drawing process. <i>Journal of Alloys and Compounds</i> , 2018, 740, 949-957.	2.8	68
48	Solvothermal Synthesis and High Visible-light-responsive Photocatalytic Activity of AgX (X = Cl, Br, I) Nanostructures. <i>Chemistry Letters</i> , 2018, 47, 92-94.	0.7	2
49	Structure and electrochemical properties of copper wires with seamless 1D nanostructures. <i>Data in Brief</i> , 2018, 17, 747-752.	0.5	1
50	Natural diatomite particles: Size-, dose- and shape- dependent cytotoxicity and reinforcing effect on injectable bone cement. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1044-1053.	5.6	13
51	Copper wires with seamless 1D nanostructures: Preparation and electrochemical sensing performance. <i>Materials Letters</i> , 2018, 211, 247-249.	1.3	16
52	Preparation and photocatalytic property of porous $\text{Fe}_2\text{O}_3$ nanoflowers. <i>Materials Research Bulletin</i> , 2018, 107, 94-99.	2.7	16
53	Self-Assembly of Two Unit Cells into a Nanodomain Structure Containing Five-Fold Symmetry. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4373-4378.	2.1	22
54	Facile fabrication of $\text{Fe}_2\text{O}_3/\text{Ag}_2\text{S}$ heterojunction with enhanced photoelectrochemical water splitting property. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Solar energy protects steels against corrosion: Enhanced protection capability achieved by NiFeO decorated BiVO <sub>4</sub> photoanode. <i>Materials Research Bulletin</i> , 2018, 107, 416-420.	2.7	19
56	CuWO <sub>4</sub> films grown via seeding-hydrothermal method for photoelectrochemical water oxidation. <i>Materials Letters</i> , 2018, 232, 25-28.	1.3	14
57	Pt-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> photoanodes prepared by a magnetron sputtering method for photoelectrochemical water splitting. <i>Materials Research Bulletin</i> , 2017, 91, 214-219.	2.7	22
58	Microstructure, Mechanical Properties and Fracture Behavior of As-Extruded Zn-Mg Binary Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 931-940.	1.5	57
59	Fabrication of CaFe <sub>2</sub> O <sub>4</sub> nanofibers via electrospinning method with enhanced visible light photocatalytic activity. <i>Functional Materials Letters</i> , 2017, 10, 1750058.	0.7	12
60	Description of two species of caenomorphid ciliates (Ciliophora, Armophorea): Morphology and molecular phylogeny. <i>European Journal of Protistology</i> , 2017, 61, 29-40.	0.5	22
61	Effect of solid solution treatment on in vitro degradation rate of as-extruded Mg-Zn-Ag alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 2607-2612.	1.7	18
62	Bright Blue Photoluminescence Emitted from the Novel Hyperbranched Polysiloxane-Containing Unconventional Chromogens. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1185-1190.	1.1	40
63	A process of high efficiency and low redundancy in content distribution based on Named Data Networking in VANETs. , 2016, , .		0
64	Inter-granular exchange coupling and magnetic anisotropy of Ta/Ru/Co-23 at%Pt perpendicular thin films with different Ru underlayer thicknesses. <i>Rare Metals</i> , 2016, 35, 463-470.	3.6	3
65	Structural and morphological modulation of BiOCl visible-light photocatalyst prepared via an in situ oxidation synthesis. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 338-342.	1.3	3
66	Photoelectrochemical Behavior of Sn-Doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Photoanode with Different Reducer. <i>Chinese Journal of Chemistry</i> , 2016, 34, 778-782.	2.6	6
67	c-In <sub>2</sub> O <sub>3</sub> / $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> heterojunction photoanodes for water oxidation. <i>Journal of Materials Science</i> , 2016, 51, 8148-8155.	1.7	23
68	Orientation modulated charge transport in hematite for photoelectrochemical water splitting. <i>Functional Materials Letters</i> , 2016, 09, 1650047.	0.7	14
69	Preparation of Uniform BiOI Nanoflowers with Visible Light-Induced Photocatalytic Activity. <i>Australian Journal of Chemistry</i> , 2016, 69, 212.	0.5	6
70	BiOCl Hierarchical Nanoflowers with Superior Mixed-dye Photodegradation Activity. <i>Chemistry Letters</i> , 2015, 44, 1306-1308.	0.7	11
71	4d transition-metal doped hematite for enhancing photoelectrochemical activity: theoretical prediction and experimental confirmation. <i>RSC Advances</i> , 2015, 5, 19353-19361.	1.7	26
72	(Ti/Zr,N) codoped hematite for enhancing the photoelectrochemical activity of water splitting. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22179-22186.	1.3	41

#	ARTICLE	IF	CITATIONS
73	Effect of human-controlled hydrological regime on the source, transport, and flux of particulate organic carbon from the lower Huanghe (Yellow River). <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1029-1042.	1.2	37
74	Template synthesis and photoelectrochemical properties of Bi <sub>2</sub> S <sub>3</sub> microflowers. <i>Materials Research Bulletin</i> , 2015, 68, 115-119.	2.7	2
75	Rapid room-temperature synthesis and visible-light photocatalytic properties of BiOI nanoflowers. <i>Journal of Alloys and Compounds</i> , 2015, 639, 445-451.	2.8	28
76	Uniform Bi <sub>2</sub> O <sub>3</sub> CO <sub>3</sub> hierarchical nanoflowers: solvothermal synthesis and photocatalytic properties. <i>Functional Materials Letters</i> , 2015, 08, 1550021.	0.7	7
77	A synergistic combination of diatomaceous earth with Au nanoparticles as a periodically ordered, button-like substrate for SERS analysis of the chemical composition of eccrine sweat in latent fingerprints. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4933-4944.	2.7	30
78	Energetics at the Surface of Photoelectrodes and Its Influence on the Photoelectrochemical Properties. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4083-4088.	2.1	94
79	Synthesis of small Fe <sub>2</sub> O <sub>3</sub> nanocubes and their enhanced water vapour adsorption-desorption properties. <i>RSC Advances</i> , 2015, 5, 84587-84591.	1.7	3
80	Thermal Oxidation Preparation of Doped Hematite Thin Films for Photoelectrochemical Water Splitting. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-6.	1.4	15
81	Isothermal section of Mg-rich corner in Mg-Zn-Al ternary system at 335 °C. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3405-3412.	1.7	5
82	High temperature and water-based evaporation-induced self-assembly approach for facile and rapid synthesis of nanocrystalline mesoporous TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2014, 2, 15912-15920.	5.2	16
83	Photocatalytic Activity of Ce-Doped Hematite for Hydrogen Production. <i>Materials Science Forum</i> , 2014, 787, 46-51.	0.3	3
84	Uniform surface modification of diatomaceous earth with amorphous manganese oxide and its adsorption characteristics for lead ions. <i>Applied Surface Science</i> , 2014, 317, 724-729.	3.1	45
85	Theoretical Understanding of Enhanced Photoelectrochemical Catalytic Activity of Sn-Doped Hematite: Anisotropic Catalysis and Effects of Morin Transition and Sn Doping. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3779-3784.	1.5	51
86	Chemical synthesis of faceted $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> single-crystalline nanoparticles and their photocatalytic activity. <i>Journal of Materials Science</i> , 2013, 48, 5744-5749.	1.7	16
87	Plasma choline-containing phospholipids: potential biomarkers for colorectal cancer progression. <i>Metabolomics</i> , 2013, 9, 202-212.	1.4	19
88	Electrodeposition of Sn-doped hollow $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2013, 574, 421-426.	2.8	47
89	One-step fabrication of sub-10-nm plasmonic nanogaps for reliable SERS sensing of microorganisms. <i>Biosensors and Bioelectronics</i> , 2013, 44, 191-197.	5.3	43
90	Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films: Facile and cost-effective preparation by RF-magnetron sputtering and texture control. <i>Journal of Alloys and Compounds</i> , 2013, 552, 418-422.	2.8	69

#	ARTICLE	IF	CITATIONS
91	Dependence on the structure and surface polarity of ZnS photocatalytic activities of water splitting: first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9531.	1.3	23
92	Phase equilibria of Mg-rich corner in Mg-Zn-Al ternary system at 300 Å°C. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 241-245.	1.7	17
93	Inkjet Printing Assisted Synthesis of Multicomponent Mesoporous Metal Oxides for Ultrafast Catalyst Exploration. <i>Nano Letters</i> , 2012, 12, 5733-5739.	4.5	104
94	Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3320-3328.	1.5	29
95	Re-determination of $\hat{I}^3/(\hat{I}^3+\hat{I}^{\pm}\text{-Mg})$ phase boundary and experimental evidence of R intermetallic compound existing at lower temperatures in the Mg-Al binary system. <i>Journal of Alloys and Compounds</i> , 2012, 540, 210-214.	2.8	17
96	Thermodynamic assessment of Au-Pt system. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1432-1436.	1.7	13
97	Growth of textured iron oxyhydroxide nanorod arrays on glass substrate. <i>Materials Letters</i> , 2012, 89, 143-145.	1.3	2
98	Dynamic Resource Allocation with Precoding for OFDMA-Based Wireless Multicast Systems. , 2011, , .		5
99	Enhanced photoelectrochemical activity for Cu and Ti doped hematite: The first principles calculations. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	84
100	Isothermal section of Mg-Zn-Zr ternary system at 345ÅÅ° C. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011, 35, 411-415.	0.7	15
101	Enzyme-free amperometric sensing of hydrogen peroxide and glucose at a hierarchical Cu <sub>2</sub> O modified electrode. <i>Talanta</i> , 2011, 85, 1260-1264.	2.9	107
102	Effect of Phosphor Addition on Intergranular Exchange Coupling of Co-Pt Thin Films. <i>Journal of Materials Science and Technology</i> , 2011, 27, 398-402.	5.6	5
103	One pot preparation of plasmonic photocatalyst at low temperature. <i>Rare Metals</i> , 2011, 30, 157-160.	3.6	2
104	Incoherent magnetization reversal in Co-Pt nanodots investigated by magnetic force microscopy. <i>Acta Materialia</i> , 2011, 59, 4818-4824.	3.8	12
105	Anisotropic Growth of Iron Oxyhydroxide Nanorods and their Photocatalytic Activity. <i>Advanced Engineering Materials</i> , 2010, 12, 1082-1085.	1.6	8
106	Joint Network and Channel Decoding for HARQ in Wireless Broadcasting System. , 2010, , .		1
107	Transmit beamforming scheme for multi-antenna multicasting system with limited-rate feedback. , 2010, , .		0
108	Grain refining mechanism of Al-containing Mg alloys with the addition of Mn-Al alloys. <i>Journal of Alloys and Compounds</i> , 2010, 507, 410-413.	2.8	26

#	ARTICLE	IF	CITATIONS
109	Determination of surface crystallography of faceted nanoparticles using transmission electron microscopy imaging and diffraction modes. <i>Journal of Applied Crystallography</i> , 2009, 42, 519-524.	1.9	15
110	Capping Groups Induced Size and Shape Evolution of Magnetite Particles Under Hydrothermal Condition and their Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2009, 92, 631-635.	1.9	22
111	Epitaxial Growth of $\text{Fe}_2\text{O}_3$ Thin Films on $\text{c}$ -Plane Sapphire Substrate by Hydrothermal Method. <i>Materials Science Forum</i> , 0, 702-703, 999-1002.	0.3	3
112	Fabrication of $\text{Cu}_2\text{ZnSnS}_4$ Thin Films by Sputtering from a Single Quaternary Chalcogenide Compound. <i>Materials Science Forum</i> , 0, 787, 31-34.	0.3	1