

# Song Li

## List of Publications by Year in descending order

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112  
papers

2,359  
citations

201575

27  
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276775

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112  
all docs

112  
docs citations

112  
times ranked

3542  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Inkjet Printing Assisted Synthesis of Multicomponent Mesoporous Metal Oxides for Ultrafast Catalyst Exploration. <i>Nano Letters</i> , 2012, 12, 5733-5739.	4.5	104
3	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
4	Enhanced photoelectrochemical activity for Cu and Ti doped hematite: The first principles calculations. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	84
5	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
6	Effect of cumulative strain on the microstructural and mechanical properties of Zn-0.02Åwt%Mg alloy wires during room-temperature drawing process. <i>Journal of Alloys and Compounds</i> , 2018, 740, 949-957.	2.8	68
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	(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
16	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
17	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
18	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

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19	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
20	Synthesis of CuOx@CeO <sub>2</sub> catalyst with high-density interfaces for selective oxidation of CO in H <sub>2</sub> -rich stream. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4156-4166.	3.8	34
21	<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
22	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
23	Ultra-stable metal nano-catalyst synthesis strategy: a perspective. <i>Rare Metals</i> , 2020, 39, 113-130.	3.6	32
24	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
25	Interface engineering of Co <sub>3</sub> O <sub>4</sub> loaded CaFe <sub>2</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> heterojunction for photoelectrochemical water oxidation. <i>Applied Surface Science</i> , 2019, 466, 92-98.	3.1	30
26	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
27	Photocatalytic degradation properties of Fe <sub>2</sub> O <sub>3</sub> nanoparticles for dibutyl phthalate in aqueous solution system. <i>Royal Society Open Science</i> , 2018, 5, 172196.	1.1	29
28	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
29	Control of Catalytic Activity of Nano-Au through Tailoring the Fermi Level of Support. <i>Small</i> , 2019, 15, e1901789.	5.2	27
30	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
31	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
32	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
33	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
34	c-In <sub>2</sub> O <sub>3</sub> /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
35	Correlating Strength and Hardness of High-Entropy Alloys. <i>Advanced Engineering Materials</i> , 2021, 23, 2001514.	1.6	23
36	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

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37	Pt-doped $\gamma\text{-Fe}_2\text{O}_3$ photoanodes prepared by a magnetron sputtering method for photoelectrochemical water splitting. <i>Materials Research Bulletin</i> , 2017, 91, 214-219.	2.7	22
38	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
39	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
40	Nanoscale nickel-iron nitride-derived efficient electrochemical oxygen evolution catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 4458-4466.	2.1	22
41	In situ fabrication of $\gamma\text{-Fe}_2\text{O}_3/\text{CaFe}_2\text{O}_4$ p-n heterojunction with enhanced VOCs photodegradation activity. <i>Advanced Powder Technology</i> , 2019, 30, 590-595.	2.0	21
42	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
43	Plasma choline-containing phospholipids: potential biomarkers for colorectal cancer progression. <i>Metabolomics</i> , 2013, 9, 202-212.	1.4	19
44	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
45	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
46	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
47	Taxonomy, phylogeny, and geographical distribution of the little-known <i>Helicoprion</i> multinucleatum Dragesco, 1960 (Ciliophora, Haptorida) and key to species within the genus. <i>European Journal of Protistology</i> , 2021, 78, 125769.	0.5	18
48	Phase equilibria of Mg-rich corner in Mg-Zn-Al ternary system at 300 °C. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 241-245.	1.7	17
49	Re-determination of $\gamma/(\gamma+\text{Mg})$ 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
50	Photocatalytic degradation of acetochlor by $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles with different morphologies in aqueous solution system. <i>Optik</i> , 2019, 178, 36-44.	1.4	17
51	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
52	Chemical synthesis of faceted $\gamma\text{-Fe}_2\text{O}_3$ single-crystalline nanoparticles and their photocatalytic activity. <i>Journal of Materials Science</i> , 2013, 48, 5744-5749.	1.7	16
53	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
54	Copper wires with seamless 1D nanostructures: Preparation and electrochemical sensing performance. <i>Materials Letters</i> , 2018, 211, 247-249.	1.3	16

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55	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
56	Synthesis of doped $\text{MnOx}$ /diatomite composites for catalyzing ozone decomposition. <i>Ceramics International</i> , 2019, 45, 6966-6971.	2.3	16
57	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
58	Isothermal section of $\text{Mg-Zn-Zr}$ ternary system at $345^\circ\text{C}$ . <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011, 35, 411-415.	0.7	15
59	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
60	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
61	Orientation modulated charge transport in hematite for photoelectrochemical water splitting. <i>Functional Materials Letters</i> , 2016, 09, 1650047.	0.7	14
62	$\text{CuWO}_4$ films grown via seeding-hydrothermal method for photoelectrochemical water oxidation. <i>Materials Letters</i> , 2018, 232, 25-28.	1.3	14
63	Microstructure, mechanical properties and magnetic properties of $\text{FeCoNiCuTiSix}$ high-entropy alloys. <i>Science China Technological Sciences</i> , 2020, 63, 459-466.	2.0	14
64	Thermodynamic assessment of $\text{Au-Pt}$ system. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1432-1436.	1.7	13
65	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
66	$\text{ZnO/ZnFe}_2\text{O}_4/\text{Ag}$ hollow nanofibers with multicomponent heterojunctions for highly efficient photocatalytic water pollutants removal. <i>Ceramics International</i> , 2019, 45, 23522-23527.	2.3	13
67	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
68	Enhanced photoelectrochemical water oxidation in Hematite: Accelerated charge separation with Co doping. <i>Applied Surface Science</i> , 2021, 568, 150606.	3.1	13
69	Incoherent magnetization reversal in $\text{Co-Pt}$ nanodots investigated by magnetic force microscopy. <i>Acta Materialia</i> , 2011, 59, 4818-4824.	3.8	12
70	Fabrication of $\text{CaFe}_2\text{O}_4$ nanofibers via electrospinning method with enhanced visible light photocatalytic activity. <i>Functional Materials Letters</i> , 2017, 10, 1750058.	0.7	12
71	Microstructure, Mechanical Properties and Corrosion Behavior of Extruded $\text{Mg-Zn-Ag}$ Alloys with Single-Phase Structure. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 575-583.	1.5	12
72	Defective $\text{Fe}^{3+}$ self-doped spinel $\text{ZnFe}_2\text{O}_4$ with oxygen vacancies for highly efficient photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 11934-11940.	1.6	12

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73	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
74	BiOI Hierarchical Nanoflowers with Superior Mixed-dye Photodegradation Activity. <i>Chemistry Letters</i> , 2015, 44, 1306-1308.	0.7	11
75	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
76	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
77	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
78	Anisotropic Growth of Iron Oxyhydroxide Nanorods and their Photocatalytic Activity. <i>Advanced Engineering Materials</i> , 2010, 12, 1082-1085.	1.6	8
79	Ni/NiO Nanocomposites with Rich Oxygen Vacancies as High-Performance Catalysts for Nitrophenol Hydrogenation. <i>Catalysts</i> , 2019, 9, 944.	1.6	8
80	Solar energy protects steels against corrosion: Advancing Sn doped hematite as photoanode. <i>Surface and Coatings Technology</i> , 2021, 427, 127838.	2.2	8
81	Uniform $\text{Bi}_2\text{O}_3/\text{CO}_3$ hierarchical nanoflowers: solvothermal synthesis and photocatalytic properties. <i>Functional Materials Letters</i> , 2015, 08, 1550021.	0.7	7
82	Photoelectrochemical Behavior of Sn-Doped $\text{Fe}_2\text{O}_3$ Photoanode with Different Reducer. <i>Chinese Journal of Chemistry</i> , 2016, 34, 778-782.	2.6	6
83	Preparation of Uniform BiOI Nanoflowers with Visible Light-Induced Photocatalytic Activity. <i>Australian Journal of Chemistry</i> , 2016, 69, 212.	0.5	6
84	High throughput screening driven discovery of $\text{Mn}_5\text{Co}_{10}\text{Fe}_{30}\text{Ni}_{55}\text{O}_x$ as electrocatalyst for water oxidation and electrospinning synthesis. <i>Applied Surface Science</i> , 2022, 588, 152959.	3.1	6
85	Dynamic Resource Allocation with Precoding for OFDMA-Based Wireless Multicast Systems. , 2011, , .		5
86	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
87	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
88	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
89	Morphology and Molecular Phylogeny of Two Little-Known Species of <i>Loxodes</i> , <i>L. kahli</i> Dragesco & Njiná, 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
90	Understanding the effect of interface on the charge separation in $\text{Bi}_2\text{S}_3/\text{Sn: Fe}_2\text{O}_3$ heterojunction for photoelectrochemical water oxidation. <i>Renewable Energy</i> , 2022, 191, 195-203.	4.3	4

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91	Epitaxial Growth of $\text{Fe}_2\text{O}_3$ Thin Films on $\text{c}$ -Plane Sapphire Substrate by Hydrothermal Method. Materials Science Forum, 0, 702-703, 999-1002.	0.3	3
92	Photocatalytic Activity of Ce-Doped Hematite for Hydrogen Production. Materials Science Forum, 2014, 787, 46-51.	0.3	3
93	Synthesis of small $\text{Fe}_2\text{O}_3$ nanocubes and their enhanced water vapour adsorption-desorption properties. RSC Advances, 2015, 5, 84587-84591.	1.7	3
94	Inter-granular exchange coupling and magnetic anisotropy of Ta/Ru/Co-23 at%Pt perpendicular thin films with different Ru underlayer thicknesses. Rare Metals, 2016, 35, 463-470.	3.6	3
95	Structural and morphological modulation of BiOCl visible-light photocatalyst prepared via an in situ oxidation synthesis. Chemical Research in Chinese Universities, 2016, 32, 338-342.	1.3	3
96	One pot preparation of plasmonic photocatalyst at low temperature. Rare Metals, 2011, 30, 157-160.	3.6	2
97	Growth of textured iron oxyhydroxide nanorod arrays on glass substrate. Materials Letters, 2012, 89, 143-145.	1.3	2
98	Template synthesis and photoelectrochemical properties of $\text{Bi}_2\text{S}_3$ microflowers. Materials Research Bulletin, 2015, 68, 115-119.	2.7	2
99	Solvothermal Synthesis and High Visible-light-responsive Photocatalytic Activity of AgX (X = Cl, Br, I) Nanostructures. Chemistry Letters, 2018, 47, 92-94.	0.7	2
100	Formation of a Pd/MgO Structured Catalyst for the Aqueous Oxidation of Silane to Silanol. Catalysts, 2019, 9, 834.	1.6	2
101	Accelerated oxygen evolution kinetics on hematite by $\text{Zn}^{2+}$ for boosting the photoelectrochemical water oxidation. Journal of Alloys and Compounds, 2022, 919, 165853.	2.8	2
102	Effect of Heat Treatment Temperature on Microstructure and Properties of FeCoNiCuTi High-Entropy Alloy. Transactions of the Indian Institute of Metals, 2022, 75, 1951-1956.	0.7	2
103	Joint Network and Channel Decoding for HARQ in Wireless Broadcasting System. , 2010, , .		1
104	Fabrication of $\text{Cu}_2\text{ZnSnS}_4$ Thin Films by Sputtering from a Single Quaternary Chalcogenide Compound. Materials Science Forum, 0, 787, 31-34.	0.3	1
105	Structure and electrochemical properties of copper wires with seamless 1D nanostructures. Data in Brief, 2018, 17, 747-752.	0.5	1
106	Screening alloy electrocatalysts by combining magnetron sputtering and scanning electrochemical microscopy. Philosophical Magazine Letters, 2019, 99, 185-191.	0.5	1
107	Synergistic effects of carbon-encapsulated cobalt/tricobalt tetroxide nanocapsules on hydrogenation of 4-nitrophenol. Functional Materials Letters, 2019, 12, 1950059.	0.7	1
108	Light-switchable catalytic activity of Cu for oxygen reduction reaction. Frontiers of Materials Science, 2020, 14, 481-487.	1.1	1

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109	A novel plasma reduction for the preparation of AuPd bimetallic nanocatalyst and its application in selective oxidation of benzyl alcohols. Materials Research Express, 2020, 7, 016533.	0.8	1
110	Transmit beamforming scheme for multi-antenna multicasting system with limited-rate feedback. , 2010, , .		0
111	A process of high efficiency and low redundancy in content distribution based on Named Data Networking in VANETs. , 2016, , .		0
112	Fabrication of $\text{Fe}_2\text{O}_3/\text{Ag}$ film by spin coating with enhanced photoelectrochemical activity. Materials Letters, 2022, 318, 132201.	1.3	0