# Song Li

List of Publications by Year
in descending order

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

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 112<br>papers | 2,359<br>citations | 201674<br>27<br>h-index | 276875<br>41<br>g-index |
| 112<br>all docs | 112<br>docs citations | 112<br>times ranked | 3542<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enzyme-free amperometric sensing of hydrogen peroxide and glucose at a hierarchical Cu2O modified electrode. Talanta, 2011, 85, 1260-1264. | 5.5 | 107 |
| 2 | Inkjet Printing Assisted Synthesis of Multicomponent Mesoporous Metal Oxides for Ultrafast Catalyst Exploration. Nano Letters, 2012, 12, 5733-5739. | 9.1 | 104 |
| 3 | Energetics at the Surface of Photoelectrodes and Its Influence on the Photoelectrochemical Properties. Journal of Physical Chemistry Letters, 2015, 6, 4083-4088. | 4.6 | 94 |
| 4 | Enhanced photoelectrochemical activity for Cu and Ti doped hematite: The first principles calculations. Applied Physics Letters, 2011, 98, . | 3.3 | 84 |
| 5 | Cu2ZnSnS4 thin films: Facile and cost-effective preparation by RF-magnetron sputtering and texture control. Journal of Alloys and Compounds, 2013, 552, 418-422. | 5.5 | 69 |
| 6 | Effect of cumulative strain on the microstructural and mechanical properties of Zn-0.02Âwt%Mg alloy wires during room-temperature drawing process. Journal of Alloys and Compounds, 2018, 740, 949-957. | 5.5 | 68 |
| 7 | Electrospinning synthesis of transition metal alloy nanoparticles encapsulated in nitrogen-doped carbon layers as an advanced bifunctional oxygen electrode. Journal of Materials Chemistry A, 2020, 8, 7245-7252. | 10.3 | 66 |
| 8 | An in situ Bi-decorated BiOBr photocatalyst for synchronously treating multiple antibiotics in water. Nanoscale Advances, 2019, 1, 1124-1129. | 4.6 | 60 |
| 9 | Microstructure, Mechanical Properties and Fracture Behavior of As-Extruded Znâ€“Mg Binary Alloys. Acta Metallurgica Sinica (English Letters), 2017, 30, 931-940. | 2.9 | 57 |
| 10 | Theoretical Understanding of Enhanced Photoelectrochemical Catalytic Activity of Sn-Doped Hematite: Anisotropic Catalysis and Effects of Morin Transition and Sn Doping. Journal of Physical Chemistry C, 2013, 117, 3779-3784. | 3.1 | 51 |
| 11 | Tuning orientation of doped hematite photoanodes for enhanced photoelectrochemical water oxidation. Solar Energy Materials and Solar Cells, 2018, 179, 328-333. | 6.2 | 51 |
| 12 | Electrodeposition of Sn-doped hollow Î±-Fe2O3 nanostructures for photoelectrochemical water splitting. Journal of Alloys and Compounds, 2013, 574, 421-426. | 5.5 | 47 |
| 13 | Uniform surface modification of diatomaceous earth with amorphous manganese oxide and its adsorption characteristics for lead ions. Applied Surface Science, 2014, 317, 724-729. | 6.1 | 45 |
| 14 | One-step fabrication of sub-10-nm plasmonic nanogaps for reliable SERS sensing of microorganisms. Biosensors and Bioelectronics, 2013, 44, 191-197. | 10.1 | 43 |
| 15 | (Ti/Zr,N) codoped hematite for enhancing the photoelectrochemical activity of water splitting. Physical Chemistry Chemical Physics, 2015, 17, 22179-22186. | 2.8 | 41 |
| 16 | Bright Blue Photoluminescence Emitted from the Novel Hyperbranched Polysiloxaneâ€Containing Unconventional Chromogens. Macromolecular Chemistry and Physics, 2016, 217, 1185-1190. | 2.2 | 40 |
| 17 | Effect of humanâ€controlled hydrological regime on the source, transport, and flux of particulate organic carbon from the lower Huanghe (Yellow River). Earth Surface Processes and Landforms, 2015, 40, 1029-1042. | 2.5 | 37 |
| 18 | Oxygen vacancy induced superior visible-light-driven photodegradation pollutant performance in BiOCl microflowers. New Journal of Chemistry, 2018, 42, 3614-3618. | 2.8 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Abnormal thermal stability of sub-10 nm Au nanoparticles and their high catalytic activity. Journal of Materials Chemistry A, 2019, 7, 10980-10987. | 10.3 | 35 |
| 20 | Synthesis of CuOxâ€“CeO2 catalyst with high-density interfaces for selective oxidation of CO in H2-rich stream. International Journal of Hydrogen Energy, 2019, 44, 4156-4166. | 7.1 | 34 |
| 21 | In situ synthesis of Ni/NiO composites with defect-rich ultrathin nanosheets for highly efficient biomass-derivative selective hydrogenation. Journal of Materials Chemistry A, 2019, 7, 17834-17841. | 10.3 | 33 |
| 22 | Engineering the epitaxial interface of Pt-CeO2 by surface redox reaction guided nucleation for low temperature CO oxidation. Journal of Materials Science and Technology, 2020, 40, 39-46. | 10.7 | 33 |
| 23 | Ultra-stable metal nano-catalyst synthesis strategy: a perspective. Rare Metals, 2020, 39, 113-130. | 7.1 | 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. Journal of Materials Chemistry C, 2015, 3, 4933-4944. | 5.5 | 30 |
| 25 | Interface engineering of Co3O4 loaded CaFe2O4/Fe2O3 heterojunction for photoelectrochemical water oxidation. Applied Surface Science, 2019, 466, 92-98. | 6.1 | 30 |
| 26 | Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. Journal of Physical Chemistry C, 2012, 116, 3320-3328. | 3.1 | 29 |
| 27 | Photocatalytic degradation properties of Î±-Fe <sub>2</sub> O <sub>3</sub> nanoparticles for dibutyl phthalate in aqueous solution system. Royal Society Open Science, 2018, 5, 172196. | 2.4 | 29 |
| 28 | Rapid room-temperature synthesis and visible-light photocatalytic properties of BiOI nanoflowers. Journal of Alloys and Compounds, 2015, 639, 445-451. | 5.5 | 28 |
| 29 | Control of Catalytic Activity of Nanoâ€Au through Tailoring the Fermi Level of Support. Small, 2019, 15, e1901789. | 10.0 | 27 |
| 30 | Grain refining mechanism of Al-containing Mg alloys with the addition of Mnâ€“Al alloys. Journal of Alloys and Compounds, 2010, 507, 410-413. | 5.5 | 26 |
| 31 | 4d transition-metal doped hematite for enhancing photoelectrochemical activity: theoretical prediction and experimental confirmation. RSC Advances, 2015, 5, 19353-19361. | 3.6 | 26 |
| 32 | Co/Co3O4 nanoparticles embedded into thin O-doped graphitic layer as bifunctional oxygen electrocatalysts for Zn-air batteries. Chemical Engineering Journal, 2022, 427, 130931. | 12.7 | 25 |
| 33 | Dependence on the structure and surface polarity of ZnS photocatalytic activities of water splitting: first-principles calculations. Physical Chemistry Chemical Physics, 2013, 15, 9531. | 2.8 | 23 |
| 34 | c-In2O3/Î±-Fe2O3 heterojunction photoanodes for water oxidation. Journal of Materials Science, 2016, 51, 8148-8155. | 3.7 | 23 |
| 35 | Correlating Strength and Hardness of Highâ€Entropy Alloys. Advanced Engineering Materials, 2021, 23, 2001514. | 3.5 | 23 |
| 36 | Capping Groups Induced Size and Shape Evolution of Magnetite Particles Under Hydrothermal Condition and their Magnetic Properties. Journal of the American Ceramic Society, 2009, 92, 631-635. | 3.8 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Pt-doped Î±-Fe 2 O 3 photoanodes prepared by a magnetron sputtering method for photoelectrochemical water splitting. Materials Research Bulletin, 2017, 91, 214-219. | 5.2 | 22 |
| 38 | Description of two species of caenomorphid ciliates (Ciliophora, Armophorea): Morphology and molecular phylogeny. European Journal of Protistology, 2017, 61, 29-40. | 1.5 | 22 |
| 39 | Self-Assembly of Two Unit Cells into a Nanodomain Structure Containing Five-Fold Symmetry. Journal of Physical Chemistry Letters, 2018, 9, 4373-4378. | 4.6 | 22 |
| 40 | Nanoscale nickelâ€“iron nitride-derived efficient electrochemical oxygen evolution catalysts. Catalysis Science and Technology, 2020, 10, 4458-4466. | 4.1 | 22 |
| 41 | In situ fabrication of Î±-Fe2O3/CaFe2O4 p-n heterojunction with enhanced VOCs photodegradation activity. Advanced Powder Technology, 2019, 30, 590-595. | 4.1 | 21 |
| 42 | Synchronous Growth of Porous MgO and Half-Embedded Nano-Ru on a Mg Plate: A Monolithic Catalyst for Fast Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 3616-3623. | 6.7 | 20 |
| 43 | Plasma choline-containing phospholipids: potential biomarkers for colorectal cancer progression. Metabolomics, 2013, 9, 202-212. | 3.0 | 19 |
| 44 | Solar energy protects steels against corrosion: Enhanced protection capability achieved by NiFeO decorated BiVO4 photoanode. Materials Research Bulletin, 2018, 107, 416-420. | 5.2 | 19 |
| 45 | Preparation and visible-light-driven photocatalytic property of AgX (Xâ€¯=â€¯Cl, Br, I) nanomaterials. Journal of Alloys and Compounds, 2019, 776, 948-953. | 5.5 | 19 |
| 46 | Effect of solid solution treatment on in vitro degradation rate of as-extruded Mg-Zn-Ag alloys. Transactions of Nonferrous Metals Society of China, 2017, 27, 2607-2612. | 4.2 | 18 |
| 47 | Taxonomy, phylogeny, and geographical distribution of the little-known Helicoprorodon multinucleatum Dragesco, 1960 (Ciliophora, Haptorida) and key to species within the genus. European Journal of Protistology, 2021, 78, 125769. | 1.5 | 18 |
| 48 | Phase equilibria of Mg-rich corner in Mgâ€“Znâ€“Al ternary system at 300 Â°C. Transactions of Nonferrous Metals Society of China, 2012, 22, 241-245. | 4.2 | 17 |
| 49 | Re-determination of Î³/(Î³+Î±-Mg) phase boundary and experimental evidence of R intermetallic compound existing at lower temperatures in the Mgâ€“Al binary system. Journal of Alloys and Compounds, 2012, 540, 210-214. | 5.5 | 17 |
| 50 | Photocatalytic degradation of acetochlor by Î±-Fe2O3 nanoparticles with different morphologies in aqueous solution system. Optik, 2019, 178, 36-44. | 2.9 | 17 |
| 51 | Carbon-CeO2 interface confinement enhances the chemical stability of Pt nanocatalyst for catalytic oxidation reactions. Science China Materials, 2021, 64, 128-136. | 6.3 | 17 |
| 52 | Chemical synthesis of faceted Î±-Fe2O3 single-crystalline nanoparticles and their photocatalytic activity. Journal of Materials Science, 2013, 48, 5744-5749. | 3.7 | 16 |
| 53 | High temperature and water-based evaporation-induced self-assembly approach for facile and rapid synthesis of nanocrystalline mesoporous TiO<sub>2</sub>. Journal of Materials Chemistry A, 2014, 2, 15912-15920. | 10.3 | 16 |
| 54 | Copper wires with seamless 1D nanostructures: Preparation and electrochemical sensing performance. Materials Letters, 2018, 211, 247-249. | 2.6 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Preparation and photocatalytic property of porous Î±-Fe2O3 nanoflowers. Materials Research Bulletin, 2018, 107, 94-99. | 5.2 | 16 |
| 56 | Synthesis of doped MnOx/diatomite composites for catalyzing ozone decomposition. Ceramics International, 2019, 45, 6966-6971. | 4.8 | 16 |
| 57 | Determination of surface crystallography of faceted nanoparticles using transmission electron microscopy imaging and diffraction modes. Journal of Applied Crystallography, 2009, 42, 519-524. | 4.5 | 15 |
| 58 | Isothermal section of Mgâ€“Znâ€“Zr ternary system at 345ÂÂ° C. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2011, 35, 411-415. | 1.6 | 15 |
| 59 | Thermal Oxidation Preparation of Doped Hematite Thin Films for Photoelectrochemical Water Splitting. International Journal of Photoenergy, 2014, 2014, 1-6. | 2.5 | 15 |
| 60 | Two Anaerobic Ciliates (Ciliophora, Armophorea) from China: Morphology and SSU rDNA Sequence, with Report of a New Species, Metopus paravestitus nov. spec. Journal of Eukaryotic Microbiology, 2021, 68, e12822. | 1.7 | 15 |
| 61 | Orientation modulated charge transport in hematite for photoelectrochemical water splitting. Functional Materials Letters, 2016, 09, 1650047. | 1.2 | 14 |
| 62 | CuWO4 films grown via seeding-hydrothermal method for photoelectrochemical water oxidation. Materials Letters, 2018, 232, 25-28. | 2.6 | 14 |
| 63 | Microstructure, mechanical properties and magnetic properties of FeCoNiCuTiSix high-entropy alloys. Science China Technological Sciences, 2020, 63, 459-466. | 4.0 | 14 |
| 64 | Thermodynamic assessment of Auâ€“Pt system. Transactions of Nonferrous Metals Society of China, 2012, 22, 1432-1436. | 4.2 | 13 |
| 65 | Natural diatomite particles: Size-, dose- and shape- dependent cytotoxicity and reinforcing effect on injectable bone cement. Journal of Materials Science and Technology, 2018, 34, 1044-1053. | 10.7 | 13 |
| 66 | ZnO/ZnFe2O4/Ag hollow nanofibers with multicomponent heterojunctions for highly efficient photocatalytic water pollutants removal. Ceramics International, 2019, 45, 23522-23527. | 4.8 | 13 |
| 67 | Morphology and molecular phylogeny of the anaerobic freshwater ciliate Urostomides spinosus nov. spec. (Ciliophora, Armophorea, Metopida) from China. European Journal of Protistology, 2021, 81, 125823. | 1.5 | 13 |
| 68 | Enhanced photoelectrochemical water oxidation in Hematite: Accelerated charge separation with Co doping. Applied Surface Science, 2021, 568, 150606. | 6.1 | 13 |
| 69 | Incoherent magnetization reversal in Coâ€“Pt nanodots investigated by magnetic force microscopy. Acta Materialia, 2011, 59, 4818-4824. | 7.9 | 12 |
| 70 | Fabrication of CaFe<sub>2</sub>O<sub>4</sub> nanofibers via electrospinning method with enhanced visible light photocatalytic activity. Functional Materials Letters, 2017, 10, 1750058. | 1.2 | 12 |
| 71 | Microstructure, Mechanical Properties and Corrosion Behavior of Extruded Mgâ€“Znâ€“Ag Alloys with Single-Phase Structure. Acta Metallurgica Sinica (English Letters), 2018, 31, 575-583. | 2.9 | 12 |
| 72 | 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. Dalton Transactions, 2019, 48, 11934-11940. | 3.3 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Design, synthesis and evaluation of novel 5-phenylthiophene derivatives as potent fungicidal of Candida albicans and antifungal reagents of fluconazole-resistant fungi. European Journal of Medicinal Chemistry, 2021, 225, 113740. | 5.5 | 12 |
| 74 | BiOCl Hierarchical Nanoflowers with Superior Mixed-dye Photodegradation Activity. Chemistry Letters, 2015, 44, 1306-1308. | 1.3 | 11 |
| 75 | Catalytic reduction of carbon dioxide over two-dimensional boron monolayer. Journal of Materials Science and Technology, 2022, 110, 96-102. | 10.7 | 11 |
| 76 | Optimizing strength and electrical conductivity of Cu-Cr-Zr alloy by two-stage aging treatment. Materials Letters, 2022, 315, 131937. | 2.6 | 11 |
| 77 | Novel porous ultrathin NiO nanosheets for highly efficient water vapor adsorption-desorption. Separation and Purification Technology, 2019, 226, 299-303. | 7.9 | 10 |
| 78 | Anisotropic Growth of Iron Oxyhydroxide Nanorods and their Photocatalytic Activity. Advanced Engineering Materials, 2010, 12, 1082-1085. | 3.5 | 8 |
| 79 | Ni/NiO Nanocomposites with Rich Oxygen Vacancies as High-Performance Catalysts for Nitrophenol Hydrogenation. Catalysts, 2019, 9, 944. | 3.5 | 8 |
| 80 | Solar energy protects steels against corrosion: Advancing Sn doped hematite as photoanode. Surface and Coatings Technology, 2021, 427, 127838. | 4.8 | 8 |
| 81 | Uniform <font>Bi</font><sub>2</sub><font>O</font><sub>2</sub><font>CO</font><sub>3</sub> hierarchical nanoflowers: solvothermal synthesis and photocatalytic properties. Functional Materials Letters, 2015, 08, 1550021. | 1.2 | 7 |
| 82 | Photoelectrochemical Behavior of Snâ€Doped Î±â€Fe<sub>2</sub>O<sub>3</sub> Photoanode with Different Reducer. Chinese Journal of Chemistry, 2016, 34, 778-782. | 4.9 | 6 |
| 83 | Preparation of Uniform BiOI Nanoflowers with Visible Light-Induced Photocatalytic Activity. Australian Journal of Chemistry, 2016, 69, 212. | 0.9 | 6 |
| 84 | High throughput screening driven discovery of Mn5Co10Fe30Ni55Ox as electrocatalyst for water oxidation and electrospinning synthesis. Applied Surface Science, 2022, 588, 152959. | 6.1 | 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. Journal of Materials Science and Technology, 2011, 27, 398-402. | 10.7 | 5 |
| 87 | Isothermal section of Mg-rich corner in Mgâ€“Znâ€“Al ternary system at 335 Â°C. Transactions of Nonferrous Metals Society of China, 2014, 24, 3405-3412. | 4.2 | 5 |
| 88 | Facile fabrication of Î±-Fe2O3/Ag2S heterojunction with enhanced photoelectrochemical water splitting property. Journal of Nanoparticle Research, 2018, 20, 1. | 1.9 | 4 |
| 89 | Morphology and Molecular Phylogeny of Two Little-Known Species of Loxodes, L. kahli Dragesco & NjinÃ©, 1971 and L. rostrum MÃ¼ller, 1786 (Protist, Ciliophora, Karyorelictea). Journal of Ocean University of China, 2019, 18, 643-653. | 1.2 | 4 |
| 90 | Understanding the effect of interface on the charge separation in Bi2S3@Sn: Î±-Fe2O3 heterojunction for photoelectrochemical water oxidation. Renewable Energy, 2022, 191, 195-203. | 8.9 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Epitaxial Growth of Î±-Fe<sub>2</sub>O<sub>3</sub> Thin Films on <i>c</i>-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 Fe2O3 nanocubes and their enhanced water vapour adsorptionâ€“desorption properties. RSC Advances, 2015, 5, 84587-84591. | 3.6 | 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. | 7.1 | 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. | 2.6 | 3 |
| 96 | One pot preparation of plasmonic photocatalyst at low temperature. Rare Metals, 2011, 30, 157-160. | 7.1 | 2 |
| 97 | Growth of textured iron oxyhydroxide nanorod arrays on glass substrate. Materials Letters, 2012, 89, 143-145. | 2.6 | 2 |
| 98 | Template synthesis and photoelectrochemical properties of Bi 2 S 3 microflowers. Materials Research Bulletin, 2015, 68, 115-119. | 5.2 | 2 |
| 99 | Solvothermal Synthesis and High Visible-light-responsive Photocatalytic Activity of AgX (X = Cl, Br, I) Nanostructures. Chemistry Letters, 2018, 47, 92-94. | 1.3 | 2 |
| 100 | Formation of a Pd/MgO Structured Catalyst for the Aqueous Oxidation of Silane to Silanol. Catalysts, 2019, 9, 834. | 3.5 | 2 |
| 101 | Accelerated oxygen evolution kinetics on hematite by Zn2+ for boosting the photoelectrochemical water oxidation. Journal of Alloys and Compounds, 2022, 919, 165853. | 5.5 | 2 |
| 102 | Effect of Heat Treatment Temperature on Microstructure and Properties of FeCoNiCuTi Highâ€“Entropy Alloy. Transactions of the Indian Institute of Metals, 2022, 75, 1951-1956. | 1.5 | 2 |
| 103 | Joint Network and Channel Decoding for HARQ in Wireless Broadcasting System. , 2010, , . | | 1 |
| 104 | Fabrication of Cu<sub>2</sub>ZnSnS<sub>4</sub> 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. | 1.0 | 1 |
| 106 | Screening alloy electrocatalysts by combining magnetron sputtering and scanning electrochemical microscopy. Philosophical Magazine Letters, 2019, 99, 185-191. | 1.2 | 1 |
| 107 | Synergistic effects of carbon-encapsulated cobalt/tricobalt tetroxide nanocapsules on hydrogenation of 4-nitrophenol. Functional Materials Letters, 2019, 12, 1950059. | 1.2 | 1 |
| 108 | Light-switchable catalytic activity of Cu for oxygen reduction reaction. Frontiers of Materials Science, 2020, 14, 481-487. | 2.2 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 1.6 | 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 Î±-Fe2O3/Ag film by spin coating with enhanced photoelectrochemical activity. Materials Letters, 2022, 318, 132201. | 2.6 | 0 |