# Ze-sheng Li

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 2,497 citations | 236925 25 h-index | 345221 36 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 3392 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simultaneous Formation of Ultrahigh Surface Area and Threeâ€Dimensional Hierarchical Porous Grapheneâ€Like Networks for Fast and Highly Stable Supercapacitors. Advanced Materials, 2013, 25, 2474-2480. | 21.0 | 668 |
| 2 | Coconut-based activated carbon fibers for efficient adsorption of various organic dyes. RSC Advances, 2018, 8, 42280-42291. | 3.6 | 176 |
| 3 | A novel hybrid supercapacitor based on spherical activated carbon and spherical MnO2 in a non-aqueous electrolyte. Journal of Materials Chemistry, 2010, 20, 3883. | 6.7 | 145 |
| 4 | Core/shell cable-like Ni3S2 nanowires/N-doped graphene-like carbon layers as composite electrocatalyst for overall electrocatalytic water splitting. Chemical Engineering Journal, 2020, 401, 126045. | 12.7 | 134 |
| 5 | Preparation of Ag-AgVO3/g-C3N4 composite photo-catalyst and degradation characteristics of antibiotics. Journal of Hazardous Materials, 2019, 373, 303-312. | 12.4 | 107 |
| 6 | Spinel NiCo2O4 3-D nanoflowers supported on graphene nanosheets as efficient electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 16120-16131. | 7.1 | 99 |
| 7 | Three-dimensional graphene-like porous carbon nanosheets derived from molecular precursor for high-performance supercapacitor application. Electrochimica Acta, 2019, 296, 8-17. | 5.2 | 95 |
| 8 | Construction of heteroatom-doped and three-dimensional graphene materials for the applications in supercapacitors: A review. Journal of Energy Storage, 2021, 44, 103437. | 8.1 | 93 |
| 9 | Convenient and large-scale synthesis of hollow graphene-like nanocages for electrochemical supercapacitor application. Chemical Engineering Journal, 2017, 313, 1242-1250. | 12.7 | 82 |
| 10 | Mesoporous polymeric semiconductor materials of graphitic-C3N4: general and efficient synthesis and their integration with synergistic AgBr NPs for enhanced photocatalytic performances. RSC Advances, 2013, 3, 5631. | 3.6 | 60 |
| 11 | A Co<sub>3</sub>W<sub>3</sub>C promoted Pd catalyst exhibiting competitive performance over Pt/C catalysts towards the oxygen reduction reaction. Chemical Communications, 2014, 50, 566-568. | 4.1 | 60 |
| 12 | Novel 3-D superstructures made up of SnO2@C core-shell nanochains for energy storage applications. Chemical Communications, 2010, 46, 9188. | 4.1 | 58 |
| 13 | A strategy for mass production of self-assembled nitrogen-doped graphene as catalytic materials. Journal of Materials Chemistry A, 2013, 1, 1401-1406. | 10.3 | 57 |
| 14 | Facile synthesis of bicontinuous microporous/mesoporous carbon foam with ultrahigh specific surface area for supercapacitor application. Electrochimica Acta, 2016, 219, 339-349. | 5.2 | 57 |
| 15 | One-pot construction of 3-D nitrogen-doped activated graphene-like nanosheets for high-performance supercapacitors. Electrochimica Acta, 2016, 190, 378-387. | 5.2 | 56 |
| 16 | In situ fabrication of I-doped Bi2O2CO3/g-C3N4 heterojunctions for enhanced photodegradation activity under visible light. Journal of Hazardous Materials, 2020, 385, 121622. | 12.4 | 55 |
| 17 | Sulfur-infiltrated three-dimensional graphene-like material with hierarchical pores for highly stable lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 4528-4533. | 10.3 | 51 |
| 18 | Highly-dispersed and high-metal-density electrocatalysts on carbon supports for the oxygen reduction reaction: from nanoparticles to atomic-level architectures. Materials Advances, 2022, 3, 779-809. | 5.4 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Emerging Ultrahighâ€Density Singleâ€Atom Catalysts for Versatile Heterogeneous Catalysis Applications: Redefinition, Recent Progress, and Challenges. Small Structures, 2022, 3, . | 12.0 | 41 |
| 20 | Progress in batch preparation of single-atom catalysts and application in sustainable synthesis of fine chemicals. Green Chemistry, 2021, 23, 8754-8794. | 9.0 | 39 |
| 21 | Three-dimensional P-doped porous g-C3N4 nanosheets as an efficient metal-free photocatalyst for visible-light photocatalytic degradation of Rhodamine B model pollutant. Journal of the Taiwan Institute of Chemical Engineers, 2020, 114, 249-262. | 5.3 | 37 |
| 22 | Constructing Flexible Allâ€Solidâ€State Supercapacitors from 3D Nanosheets Active Bricks via 3D Manufacturing Technology: A Perspective Review. Advanced Functional Materials, 2022, 32, . | 14.9 | 33 |
| 23 | Synthesis and characterization of activated 3D graphene via catalytic growth and chemical activation for electrochemical energy storage in supercapacitors. Electrochimica Acta, 2019, 324, 134878. | 5.2 | 32 |
| 24 | Unique mesoporous carbon microsphere/1-D MnO2-built composite architecture and their enhanced electrochemical capacitance performance. Journal of Materials Chemistry, 2011, 21, 17185. | 6.7 | 27 |
| 25 | Hollow hemisphere-shaped macroporous graphene/tungsten carbide/platinum nanocomposite as an efficient electrocatalyst for the oxygen reduction reaction. Electrochimica Acta, 2016, 221, 31-40. | 5.2 | 27 |
| 26 | Design and preparation of three-dimensional hetero-electrocatalysts of NiCo-layered double hydroxide nanosheets incorporated with silver nanoclusters for enhanced oxygen evolution reactions. Nanoscale, 2021, 13, 11150-11160. | 5.6 | 25 |
| 27 | Novel Ga-doped, self-supported, independent aligned ZnO nanorods: one-pot hydrothermal synthesis and structurally enhanced photocatalytic performance. RSC Advances, 2011, 1, 1691. | 3.6 | 23 |
| 28 | Controlled synthesis of three-dimensional interconnected graphene-like nanosheets from graphite microspheres as high-performance anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 21298-21307. | 10.3 | 23 |
| 29 | 3-D hierarchical micro/nano-structures of porous Bi2WO6: Controlled hydrothermal synthesis and enhanced photocatalytic performances. Microporous and Mesoporous Materials, 2021, 313, 110830. | 4.4 | 22 |
| 30 | Novel graphene-like nanosheet supported highly active electrocatalysts with ultralow Pt loadings for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 16898-16904. | 10.3 | 21 |
| 31 | Three-dimensional graphene-like carbon nanosheets coupled with MnCo-layered double hydroxides nanoflowers as efficient bifunctional oxygen electrocatalyst. International Journal of Hydrogen Energy, 2021, 46, 34239-34251. | 7.1 | 20 |
| 32 | Bimetallic carbide of Co3W3C enhanced non-noble-metal catalysts with high activity and stability for acidic oxygen reduction reaction. RSC Advances, 2018, 8, 12292-12299. | 3.6 | 10 |
| 33 | Biomass-derived O, N-codoped hierarchically porous carbon prepared by black fungus and Hericium erinaceus for high performance supercapacitor. RSC Advances, 2021, 11, 27860-27867. | 3.6 | 7 |
| 34 | Photocatalytic degradation characteristics of tetracycline and structural transformation on bismuth silver oxide perovskite nano-catalysts. Applied Nanoscience (Switzerland), 2020, 10, 2329-2338. | 3.1 | 6 |
| 35 | Supported 3-D Pt nanostructures: the straightforward synthesis and enhanced electrochemical performance for methanol oxidation in an acidic medium. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 5 |
| 36 | Controllable synthesis of bismuth tungstate photocatalysts with different morphologies for degradation of antibiotics under visible-light irradiation. Journal of Materials Science: Materials in Electronics, 2021, 32, 17848-17864. | 2.2 | 1 |