

Wei Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9113740/publications.pdf>

Version: 2024-02-01

35
papers

1,272
citations

361296

20
h-index

360920

35
g-index

35
all docs

35
docs citations

35
times ranked

2063
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enhanced Photocatalytic Activity in Anatase/TiO ₂ (B) Core-Shell Nanofiber. Journal of Physical Chemistry C, 2008, 112, 20539-20545. | 1.5 | 181 |
| 2 | Highly Thermal Stable and Highly Crystalline Anatase TiO ₂ for Photocatalysis. Environmental Science & Technology, 2009, 43, 5423-5428. | 4.6 | 103 |
| 3 | Microencapsulated Phase Change Materials in Solar-Thermal Conversion Systems: Understanding Geometry-Dependent Heating Efficiency and System Reliability. ACS Nano, 2017, 11, 721-729. | 7.3 | 98 |
| 4 | Core-shell TiO ₂ /C nanofibers as supports for electrocatalytic and synergistic photoelectrocatalytic oxidation of methanol. Journal of Materials Chemistry, 2012, 22, 4025. | 6.7 | 83 |
| 5 | Stability of Pt nanoparticles and enhanced photocatalytic performance in mesoporous Pt-(anatase/TiO ₂ (B)) nanoarchitecture. Journal of Materials Chemistry, 2009, 19, 7055. | 6.7 | 72 |
| 6 | Pyrite nanocrystals: shape-controlled synthesis and tunable optical properties via reversible self-assembly. Journal of Materials Chemistry, 2011, 21, 17946. | 6.7 | 72 |
| 7 | One-step electrochemical synthesis of a graphene-ZnO hybrid for improved photocatalytic activity. Materials Research Bulletin, 2013, 48, 2855-2860. | 2.7 | 66 |
| 8 | Template free mild hydrothermal synthesis of core-shell Cu ₂ O(Cu)@CuO visible light photocatalysts for <i>N</i> -acetyl- <i>p</i> -aminophenol degradation. Journal of Materials Chemistry A, 2019, 7, 20767-20777. | 5.2 | 46 |
| 9 | Size-dependent electroluminescence from Si quantum dots embedded in amorphous SiC matrix. Journal of Applied Physics, 2011, 110, . | 1.1 | 45 |
| 10 | Structural and electronic properties of Si nanocrystals embedded in amorphous SiC matrix. Journal of Alloys and Compounds, 2011, 509, 3963-3966. | 2.8 | 43 |
| 11 | Excellent performance of Pt-C/TiO ₂ for methanol oxidation: Contribution of mesopores and partially coated carbon. Applied Surface Science, 2017, 426, 890-896. | 3.1 | 38 |
| 12 | A shortcut for evaluating activities of TiO ₂ facets: water dissociative chemisorption on TiO ₂ -B (100) and (001). Physical Chemistry Chemical Physics, 2010, 12, 8721. | 1.3 | 37 |
| 13 | Synthesis, Features, and Applications of Mesoporous Titania with TiO ₂ (B). Chinese Journal of Catalysis, 2010, 31, 605-614. | 6.9 | 36 |
| 14 | Single-crystalline and reactive facets exposed anatase TiO ₂ nanofibers with enhanced photocatalytic properties. Journal of Materials Chemistry, 2011, 21, 6718. | 6.7 | 31 |
| 15 | Novel mesoporous TiO ₂ (B) whisker-supported sulfated solid superacid with unique acid characteristics and catalytic performances. Applied Catalysis A: General, 2019, 574, 25-32. | 2.2 | 31 |
| 16 | Joint Event Extraction Based on Hierarchical Event Schemas From FrameNet. IEEE Access, 2019, 7, 25001-25015. | 2.6 | 26 |
| 17 | Low-Temperature CO Oxidation of Gold Catalysts Loaded on Mesoporous TiO ₂ Whisker Derived from Potassium Ditungstate. Catalysis Letters, 2009, 127, 406-410. | 1.4 | 23 |
| 18 | Highly Crystalline Mesoporous TiO ₂ (B) Nanofibers. Journal of Physical Chemistry C, 2014, 118, 3049-3055. | 1.5 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Simultaneous Optimization of Colloidal Stability and Interfacial Charge Transfer Efficiency in Photocatalytic Pt/CdS Nanocrystals. ACS Applied Materials & Interfaces, 2016, 8, 29434-29441. | 4.0 | 20 |
| 20 | TiO ₂ Nanofoam@Nanotube Array for Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2018, 1, 6563-6566. | 2.4 | 20 |
| 21 | Size-controlled electron transfer rates determine hydrogen generation efficiency in colloidal Pt-decorated CdS quantum dots. Nanoscale, 2018, 10, 16153-16158. | 2.8 | 19 |
| 22 | Comparative Study in Liquid-Phase Heterogeneous Photocatalysis: Model for Photoreactor Scale-Up. Industrial & Engineering Chemistry Research, 2010, 49, 8397-8405. | 1.8 | 18 |
| 23 | Mitigating air pollution strategies based on solar chimneys. Solar Energy, 2021, 218, 11-27. | 2.9 | 18 |
| 24 | In-situ synthesized mesoporous TiO ₂ -B/anatase microparticles: Improved anodes for lithium ion batteries. Chinese Journal of Chemical Engineering, 2015, 23, 583-589. | 1.7 | 17 |
| 25 | Optical and Electronic Properties of Pyrite Nanocrystal Thin Films: the Role of Ligands. Small, 2014, 10, 1194-1201. | 5.2 | 16 |
| 26 | Hydrophilic, Hole-Delocalizing Ligand Shell to Promote Charge Transfer from Colloidal CdSe Quantum Dots in Water. Journal of Physical Chemistry C, 2017, 121, 15160-15168. | 1.5 | 16 |
| 27 | Nanolamellar Tantalum Interfaces in the Osteoblast Adhesion. Langmuir, 2019, 35, 2480-2489. | 1.6 | 16 |
| 28 | Colloidal dual-band gap cell for photocatalytic hydrogen generation. Nanoscale, 2015, 7, 16606-16610. | 2.8 | 12 |
| 29 | Enhanced green to red photoluminescence in thermally annealed of amorphous-Si:H/SiO ₂ multilayers. Thin Solid Films, 2006, 515, 2322-2325. | 0.8 | 11 |
| 30 | Luminescence behavior from amorphous silicon-carbide film-based optical microcavities. Materials Chemistry and Physics, 2008, 111, 279-282. | 2.0 | 11 |
| 31 | Effects of ionic hydration and hydrogen bonding on flow resistance of ionic aqueous solutions confined in molybdenum disulfide nanoslits: Insights from molecular dynamics simulations. Fluid Phase Equilibria, 2019, 489, 23-29. | 1.4 | 9 |
| 32 | Thermodynamic Analysis on the Mineralization of Trace Organic Contaminants with Oxidants in Advanced Oxidation Processes. Industrial & Engineering Chemistry Research, 2009, 48, 10728-10733. | 1.8 | 6 |
| 33 | Nanowhiskers of K ₂ Ti ₆ O ₁₃ as a promoter of photocatalysis in anatase mesocrystals. Catalysis Today, 2021, 378, 133-139. | 2.2 | 5 |
| 34 | Nanopatterned surface with adjustable area coverage and feature size fabricated by photocatalysis. Applied Surface Science, 2009, 255, 9296-9300. | 3.1 | 4 |
| 35 | Highly Crystalline TiO ₂ Whisker Modified with Pt and Its Photocatalytic Performance. Chinese Journal of Catalysis, 2010, 31, 1271-1276. | 6.9 | 2 |