# Zhenquan Tan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3224099/publications.pdf

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|---|---|---|---|
| 68 papers | 1,543 citations | 331670 21 h-index | 330143 37 g-index |
| 69 all docs | 69 docs citations | 69 times ranked | 2228 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | LnFeO3 (Ln La, Nd, Sm) derived from bimetallic organic frameworks for gas sensor. Journal of Alloys and Compounds, 2022, 902, 163803. | 5.5 | 23 |
| 2 | CeO2-modulated CoP derived from prussian blue analogue boosting hydrogen evolution reaction electrocatalysis. Journal of Alloys and Compounds, 2022, 913, 165334. | 5.5 | 11 |
| 3 | Cobalt Doped in Znâ€MOFâ€5 Nanoparticles to Regulate Tumor Microenvironment for Tumor Chemo/Chemodynamic Therapy. Chemistry - an Asian Journal, 2022, 17, . | 3.3 | 6 |
| 4 | Boosting the oxygen evolution electrocatalysis of high-entropy hydroxides by high-valence nickel species regulation. Chemical Communications, 2022, 58, 7682-7685. | 4.1 | 20 |
| 5 | Boosting Hydrogen Evolution Electrocatalysis via Regulating the Electronic Structure in a Crystallineâ€“Amorphous CoP/CeO<sub>x</sub> pâ€“n Heterojunction. ACS Applied Materials & Interfaces, 2022, 14, 33151-33160. | 8.0 | 41 |
| 6 | Effect of ROS generation on highly dispersed 4-layer O-Ti7O13 nanosheets toward tumor synergistic therapy. Materials Science and Engineering C, 2021, 120, 111666. | 7.3 | 3 |
| 7 | Double-shelled carbon nanocages grafted with carbon nanotubes embedding Co nanoparticles for enhanced hydrogen evolution electrocatalysis. Chemical Communications, 2021, 57, 3022-3025. | 4.1 | 16 |
| 8 | Recent Advances of CeO<sub>2</sub>â€Based Electrocatalysts for Oxygen and Hydrogen Evolution as well as Nitrogen Reduction. ChemElectroChem, 2021, 8, 996-1020. | 3.4 | 45 |
| 9 | Preparation of 2D ultrathin titanium dioxide nanosheets with enhanced visibleâ€light photocatalytic activity. Micro and Nano Letters, 2021, 16, 313-318. | 1.3 | 2 |
| 10 | Interface Engineering in CoP/CePO<sub>4</sub> Derived from a Prussian Blue Analogue as a Highly Efficient Electrocatalyst for Alkaline Hydrogen Evolution Reaction. ChemElectroChem, 2021, 8, 3762-3766. | 3.4 | 5 |
| 11 | In Situ Growth and Electrochemical Activation of Copper-Based Nickelâ€“Cobalt Hydroxide for High-Performance Energy Storage Devices. ACS Applied Energy Materials, 2021, 4, 9460-9469. | 5.1 | 2 |
| 12 | Surface Structure Engineering of Nanosheet-Assembled NiFe2O4 Fluffy Flowers for Gas Sensing. Nanomaterials, 2021, 11, 297. | 4.1 | 3 |
| 13 | Interface engineering in the Î±-Co(OH)<sub>2</sub>/ZIF-67 heterostructure for enhanced oxygen evolution electrocatalysis. New Journal of Chemistry, 2021, 45, 10199-10203. | 2.8 | 4 |
| 14 | Hierarchical MoO<sub>4</sub><sup>2â€“</sup> Intercalating Î±-Co(OH)<sub>2</sub> Nanosheet Assemblies: Green Synthesis and Ultrafast Reconstruction for Boosting Electrochemical Oxygen Evolution. Energy & Fuels, 2021, 35, 2775-2784. | 5.1 | 13 |
| 15 | Interface Engineering and Phase Regulation in CoP/CePO<sub>4</sub> Heterostuctures for Boosting Oxygen Evolution Electrocatalysis. Energy & Fuels, 2021, 35, 16760-16767. | 5.1 | 11 |
| 16 | Hollow CoP Encapsulated in an N-Doped Carbon Nanocage as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Applied Nano Materials, 2021, 4, 13450-13458. | 5.0 | 20 |
| 17 | An Feâ€MIL100 Based Drug Delivery System for pH and Glutathione Dualâ€Responsive Drug Release. ChemistrySelect, 2021, 6, 12295-12299. | 1.5 | 1 |
| 18 | Hierarchical particle-on-sheet CoP fabricated by direct phosphorization of Co(OH)2/ZIF-67 hybrid for boosting hydrogen evolution electrocatalysis. Inorganic Chemistry Communication, 2021, 134, 109058. | 3.9 | 5 |

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|---|---|---|---|
| 19 | Ammonium Salts: New Synergistic Additive for Chemical Vapor Deposition Growth of MoS<sub>2</sub>. Journal of Physical Chemistry Letters, 2021, 12, 12384-12390. | 4.6 | 7 |
| 20 | The gadolinium effect on crystallization behavior and luminescence of Î²â€NaYF<sub>4</sub>:Yb,Er phase. International Journal of Applied Ceramic Technology, 2020, 17, 1445-1452. | 2.1 | 5 |
| 21 | Annealing temperature-dependent porous ZnFe2O4 olives derived from bimetallic organic frameworks for high-performance ethanol gas sensing. Materials Chemistry and Physics, 2020, 241, 122379. | 4.0 | 21 |
| 22 | Enhanced Antibacterial Property of Facet-Engineered TiO2 Nanosheet in Presence and Absence of Ultraviolet Irradiation. Materials, 2020, 13, 78. | 2.9 | 19 |
| 23 | High-Quality Inorganic Chemistry Teaching During COVID-19. Journal of Chemical Education, 2020, 97, 2945-2949. | 2.3 | 7 |
| 24 | SiO2-coated magnetic nano-Fe3O4 photosensitizer for synergistic tumour-targeted chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2020, 195, 111274. | 5.0 | 24 |
| 25 | Heterostructural Co/CeO2/Co2P/CoP@NC dodecahedrons derived from CeO2-inserted zeolitic imidazolate framework-67 as efficient bifunctional electrocatalysts for overall water splitting. International Journal of Hydrogen Energy, 2020, 45, 30559-30570. | 7.1 | 28 |
| 26 | Soft X-ray-Enhanced Reactive Oxygen Species Generation in Mesoporous Titanium Peroxide and the Application in Tumor Synergistic Therapy. ACS Applied Bio Materials, 2020, 3, 7408-7417. | 4.6 | 1 |
| 27 | Up-converting nanoparticles synthesis using hydroxylâ€“carboxyl chelating agents: Fluoride source effect. Journal of Chemical Physics, 2020, 153, 084706. | 3.0 | 2 |
| 28 | Hierarchical CuO@ZnCoâ€“OH core-shell heterostructure on copper foam as three-dimensional binder-free electrodes for high performance asymmetric supercapacitors. Journal of Power Sources, 2020, 465, 228239. | 7.8 | 40 |
| 29 | Cantharidinâ€loaded functional mesoporous titanium peroxide nanoparticles for nonâ€small cell lung cancer targeted chemotherapy combined with high effective photodynamic therapy. Thoracic Cancer, 2020, 11, 1476-1486. | 1.9 | 20 |
| 30 | Synthesis of hollow donut-like carbon nitride for the visible light-driven highly efficient photocatalytic production of hydrogen and degradation of pollutants. New Journal of Chemistry, 2020, 44, 12247-12255. | 2.8 | 4 |
| 31 | Direct Growth of Continuous and Uniform MoS<sub>2</sub> Film on SiO<sub>2</sub>/Si Substrate Catalyzed by Sodium Sulfate. Journal of Physical Chemistry Letters, 2020, 11, 1570-1577. | 4.6 | 15 |
| 32 | Synthesis of surfactantâ€modified ZIFâ€8 with controllable microstructures and their drug loading and sustained release behaviour. IET Nanobiotechnology, 2020, 14, 595-601. | 3.8 | 12 |
| 33 | In situ formation of defect-engineered N-doped TiO<sub>2</sub> porous mesocrystals for enhanced photo-degradation and PEC performance. Nanoscale Advances, 2019, 1, 1372-1379. | 4.6 | 25 |
| 34 | Hollow coreâ€“shell NiCo<sub>2</sub>S<sub>4</sub>@MoS<sub>2</sub> dodecahedrons with enhanced performance for supercapacitors and hydrogen evolution reaction. New Journal of Chemistry, 2019, 43, 3601-3608. | 2.8 | 70 |
| 35 | The TiO2 topotactic transformation assisted trapping of an atomically dispersed Pt catalyst for low temperature CO oxidation. RSC Advances, 2019, 9, 16774-16778. | 3.6 | 2 |
| 36 | Plasmon enhanced luminescence in hierarchically structured Ag@ (Y0.95Eu0.05)2O3 nanocomposites synthesized by ultrasonic spray pyrolysis. Advanced Powder Technology, 2019, 30, 1409-1418. | 4.1 | 5 |

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|---|---|---|---|
| 37 | Titanium Dioxide: From Engineering to Applications. Catalysts, 2019, 9, 191. | 3.5 | 277 |
| 38 | Triple-shelled CuO/CeO<sub>2</sub> hollow nanospheres derived from metalâ€“organic frameworks as highly efficient catalysts for CO oxidation. New Journal of Chemistry, 2019, 43, 16096-16102. | 2.8 | 11 |
| 39 | Defect-engineered TiO2 Hollow Spiny Nanocubes for Phenol Degradation under Visible Light Irradiation. Scientific Reports, 2018, 8, 5904. | 3.3 | 28 |
| 40 | Carbon coated nickelâ€“cobalt bimetallic sulfides hollow dodecahedrons for a supercapacitor with enhanced electrochemical performance. New Journal of Chemistry, 2018, 42, 5128-5134. | 2.8 | 38 |
| 41 | Triple-shelled ZnO/ZnFe2O4 heterojunctional hollow microspheres derived from Prussian Blue analogue as high-performance acetone sensors. Sensors and Actuators B: Chemical, 2018, 256, 374-382. | 7.8 | 96 |
| 42 | A facile photoassisted route to synthesis N, F-codoped oxygen-deficient TiO2 with enhanced photocatalytic performance under visible light irradiation. Applied Surface Science, 2018, 434, 725-734. | 6.1 | 23 |
| 43 | Overcoming drug resistance with functional mesoporous titanium dioxide nanoparticles combining targeting, drug delivery and photodynamic therapy. Journal of Materials Chemistry B, 2018, 6, 7750-7759. | 5.8 | 32 |
| 44 | Enhancing the Fe<sup>3+</sup> Sensing Sensitivity by Energy Transfer and Phase Transformation in a Bimetallic Lanthanide Metalâ€Organic Framework. ChemistrySelect, 2018, 3, 9564-9570. | 1.5 | 11 |
| 45 | One-pot synthesis of oleic acid modified monodispersed mesoporous TiO2 nanospheres with enhanced visible light photocatalytic performance. Advanced Powder Technology, 2018, 29, 1925-1932. | 4.1 | 14 |
| 46 | Dual-stimuli-responsive TiO<sub>x</sub>/DOX nanodrug system for lung cancer synergistic therapy. RSC Advances, 2018, 8, 21975-21984. | 3.6 | 21 |
| 47 | A three dimensional N-doped graphene/CNTs/AC hybrid material for high-performance supercapacitors. RSC Advances, 2017, 7, 6664-6670. | 3.6 | 9 |
| 48 | Assembling hierarchical metalâ€“oxygen building units with a semirigid tetracarboxylate ligand into a three-dimensional framework for nitrobenzene sensing. Dalton Transactions, 2017, 46, 6523-6527. | 3.3 | 3 |
| 49 | Concave ZnFe<sub>2</sub>O<sub>4</sub> Hollow Octahedral Nanocages Derived from Fe-Doped MOF-5 for High-Performance Acetone Sensing at Low-Energy Consumption. Inorganic Chemistry, 2017, 56, 13646-13650. | 4.0 | 46 |
| 50 | Solution Effect on Synthesis of Polyaniline/rGO Composite for High-Performance Supercapacitor. Nano, 2017, 12, 1750088. | 1.0 | 4 |
| 51 | Titanium peroxide nanoparticles enhanced cytotoxic effects of X-ray irradiation against pancreatic cancer model through reactive oxygen species generation in vitro and in vivo. Radiation Oncology, 2016, 11, 91. | 2.7 | 67 |
| 52 | Synthesis of layered nanostructured TiO2 by hydrothermal method. Advanced Powder Technology, 2015, 26, 296-302. | 4.1 | 47 |
| 53 | Organic-Ligand-Assisted Hydrothermal Synthesis of Tailor-Made Ceramic Nanocrystals. Journal of Smart Processing, 2014, 3, 341-345. | 0.1 | 0 |
| 54 | Synthesis of CaMn<sub>2</sub>O<sub>4</sub>-related electrocatalyst for oxygen evolution electrode of water-splitting. Materials Research Society Symposia Proceedings, 2014, 1640, 1. | 0.1 | 1 |

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|---|---|---|---|
| 55 | High-performance Ni nanocomposite anode fabricated from Gd-doped ceria nanocubes for low-temperature solid-oxide fuel cells. Nano Energy, 2014, 6, 103-108. | 16.0 | 44 |
| 56 | Sucrose-induced structural changes in LiNi0.5Mn1.5O4. RSC Advances, 2014, 4, 27850. | 3.6 | 4 |
| 57 | Raman scattering of linear chains of strongly coupled Ag nanoparticles on SWCNTs. Scientific Reports, 2014, 4, 5238. | 3.3 | 53 |
| 58 | Quenching ilmenite with a high-temperature and high-pressure phase using super-high-energy ball milling. Scientific Reports, 2014, 4, 4700. | 3.3 | 6 |
| 59 | Particle size for photocatalytic activity of anatase TiO2 nanosheets with highly exposed {001} facets. RSC Advances, 2013, 3, 19268. | 3.6 | 29 |
| 60 | Facile deposition of gold nanoparticles on C60 microcrystals with unique shapes. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 6 |
| 61 | Cyclic transformation in shape and crystal structure of C60 microcrystals. CrystEngComm, 2012, 14, 7787. | 2.6 | 15 |
| 62 | Direct Filament Formation of Biological Carbon Nanotube Suspensions. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2012, 2012, 000132-000135. | 0.2 | 1 |
| 63 | Ordered deposition of Pd nanoparticles on sodium dodecyl sulfate-functionalized single-walled carbon nanotubes. Journal of Materials Chemistry, 2011, 21, 12008. | 6.7 | 13 |
| 64 | Supramolecular Hydrogel of Bile Salts Triggered by Singleâ€Walled Carbon Nanotubes. Advanced Materials, 2011, 23, 4053-4057. | 21.0 | 45 |
| 65 | Anisotropic Polyhedral Self-Assembly of Ag-CNT Nanocomposites. Journal of Nanoscience and Nanotechnology, 2010, 10, 3978-3982. | 0.9 | 12 |
| 66 | Oriented growth behavior of Ag nanoparticles using SDS as a shape director. Journal of Colloid and Interface Science, 2010, 348, 289-292. | 9.4 | 10 |
| 67 | Arrangement of palladium nanoparticles templated by supramolecular self-assembly of SDS wrapped on single-walled carbon nanotubes. Chemical Communications, 2010, 46, 4363. | 4.1 | 38 |
| 68 | Plant polyphenol-involved coordination assembly-derived Mo<sub>3</sub>Co<sub>3</sub>C/Mo<sub>2</sub>C/Co@NC with phase regulation and interface engineering for efficient hydrogen evolution reaction electrocatalysis. New Journal of Chemistry, 0, , . | 2.8 | 1 |