

P Wilson

List of Publications by Year in descending order

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34
papers

462
citations

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times ranked

603
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Role of triton X-100 and hydrothermal treatment on the morphological features of nanoporous hydroxyapatite nanorods. <i>Materials Science and Engineering C</i> , 2016, 63, 554-562. | 3.8 | 36 |
| 2 | Photocatalytic water splitting of TiO ₂ nanotubes powders prepared via rapid breakdown anodization sensitized with Pt, Pd and Ni nanoparticles. <i>Materials Technology</i> , 2018, 33, 288-300. | 1.5 | 28 |
| 3 | Synthesis of nanoscale hydroxyapatite particles using triton X-100 as an organic modifier. <i>Ceramics International</i> , 2013, 39, 771-777. | 2.3 | 27 |
| 4 | L-arginine directed and ultrasonically aided growth of nanocrystalline hydroxyapatite particles with tunable morphology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 270-279. | 2.3 | 27 |
| 5 | Synthesis of Well-Dispersed Silver Nanoparticles on Polypyrrole/Reduced Graphene Oxide Nanocomposite for Simultaneous Detection of Toxic Hydrazine and Nitrite in Water Sources. <i>Journal of the Electrochemical Society</i> , 2017, 164, B620-B631. | 1.3 | 23 |
| 6 | Ultrasonically aided selective stabilization of pyrrolic type nitrogen by one pot nitrogen doped and hydrothermally reduced Graphene oxide/Titania nanocomposite (N-TiO ₂ /N-RGO) for H ₂ production. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 62-72. | 3.8 | 23 |
| 7 | Strontium incorporated hydroxyapatite/hydrothermally reduced graphene oxide nanocomposite as a cytocompatible material. <i>Ceramics International</i> , 2019, 45, 5475-5485. | 2.3 | 23 |
| 8 | Nanoscale Hydroxyapatite for Electrochemical Sensing of Uric Acid: Roles of Mesopore Volume and Surface Acidity. <i>ACS Applied Nano Materials</i> , 2020, 3, 7761-7773. | 2.4 | 23 |
| 9 | Effect of Ni, Pd, and Pt Nanoparticle Dispersion on Thick Films of TiO ₂ Nanotubes for Hydrogen Sensing: TEM and XPS Studies. <i>ACS Omega</i> , 2020, 5, 11352-11360. | 1.6 | 23 |
| 10 | WO ₃ Nanorods Supported on Mesoporous TiO ₂ Nanotubes as One-Dimensional Nanocomposites for Rapid Degradation of Methylene Blue under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27448-27464. | 1.5 | 21 |
| 11 | Investigations on sonofragmentation of hydroxyapatite crystals as a function of strontium incorporation. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 188-199. | 3.8 | 20 |
| 12 | A comparative study on the morphological features of highly ordered titania nanotube arrays prepared via galvanostatic and potentiostatic modes. <i>Current Applied Physics</i> , 2014, 14, 868-875. | 1.1 | 17 |
| 13 | Room Temperature Hydrogen Sensing of Pt Loaded TiO ₂ Nanotubes Powders Prepared via Rapid Breakdown Anodization. <i>Journal of the Electrochemical Society</i> , 2016, 163, B15-B18. | 1.3 | 17 |
| 14 | Characterisation of ceria supported chromia catalysts. <i>Applied Catalysis A: General</i> , 2000, 201, 23-35. | 2.2 | 16 |
| 15 | A comparative study of hydroxyapatites synthesized using various fuels through aqueous and alcohol mediated combustion routes. <i>Ceramics International</i> , 2013, 39, 3519-3532. | 2.3 | 15 |
| 16 | A critical review on the variations in anodization parameters toward microstructural formation of TiO ₂ nanotubes. <i>Electrochemical Science Advances</i> , 2022, 2, e202100083. | 1.2 | 15 |
| 17 | Silver nanoparticle decorated PANI/reduced graphene oxide for sensing of hydrazine in water and inhibition studies on microorganism. <i>Ionics</i> , 2020, 26, 3123-3133. | 1.2 | 13 |
| 18 | Investigating the photocatalytic degradation property of Pt, Pd and Ni nanoparticles-loaded TiO ₂ nanotubes powder prepared via rapid breakdown anodization. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2994-3005. | 1.2 | 12 |

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|----|---|-----|-----------|
| 19 | Electrocatalytic Investigation of Group X Metal Nanoparticles Loaded TiO ₂ Nanotubes Powder Prepared by Rapid Breakdown Anodization for Selective H ₂ O ₂ Sensing. <i>Journal of the Electrochemical Society</i> , 2017, 164, B356-B365. | 1.3 | 11 |
| 20 | Tuning the type of nitrogen on N-RGO supported on N-TiO ₂ under ultrasonication/hydrothermal treatment for efficient hydrogen evolution – A mechanistic overview. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 104866. | 3.8 | 11 |
| 21 | Thermoanalytical investigations on supported chromia catalysts. <i>Thermochimica Acta</i> , 2003, 399, 109-120. | 1.2 | 10 |
| 22 | Cobalt phthalocyanine tagged graphene nanoflakes for enhanced electrocatalytic detection of N-acetylcysteine by amperometry method. <i>Ionics</i> , 2018, 24, 2807-2819. | 1.2 | 10 |
| 23 | Facile synthesis of black N-TiO ₂ /N-RGO nanocomposite for hydrogen generation and electrochemical applications: New insights into the structure-performance relationship. <i>Applied Surface Science Advances</i> , 2022, 9, 100249. | 2.9 | 10 |
| 24 | Influence of noble metal loading and effect of temperature on the hydrogen sensing behavior of the platinum sensitized titania nanotubes. <i>Materials Research Express</i> , 2019, 6, 015006. | 0.8 | 7 |
| 25 | Visible light active black TiO ₂ nanostructures and its RGO based nanocomposite for enhanced hydrogen generation and electrochemical potency. <i>Applied Surface Science Advances</i> , 2022, 7, 100215. | 2.9 | 7 |
| 26 | Chemo-resistive detection of hydrogen in argon using Pd nanoparticles on TiO ₂ nanotubes prepared via rapid breakdown anodization. <i>Materials Research Express</i> , 2019, 6, 095065. | 0.8 | 4 |
| 27 | A plausible impact on the role of pulses in anodized TiO ₂ nanotube arrays enhancing Ti ³⁺ defects. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1. | 0.8 | 4 |
| 28 | Hydroxyapatite as a bifunctional nanocatalyst for solventless Henry reaction: a demonstration of morphology-dependent catalysis. <i>New Journal of Chemistry</i> , 0, , . | 1.4 | 3 |
| 29 | Effect of nanoporous ZrO ₂ crystal size on the surface sulphur capacity and performance of sulfated zirconia as an acidic catalytic material. <i>Studies in Surface Science and Catalysis</i> , 2005, , 385-392. | 1.5 | 2 |
| 30 | Service Learning Science Camps Among Tribals as a Tool for Capacity Building Among Students – A Step Toward Inclusive Chemistry Education. <i>Journal of Chemical Education</i> , 2022, 99, 1700-1707. | 1.1 | 2 |
| 31 | Characterization of Surface Chromia Species on CrO _x /TiO ₂ Catalysts. <i>Eurasian Chemico-Technological Journal</i> , 2017, 4, 249. | 0.3 | 1 |
| 32 | Structural Properties and Catalytic Behaviour of CrO _x /TiO ₂ Systems. <i>Eurasian Chemico-Technological Journal</i> , 2017, 6, 79. | 0.3 | 1 |
| 33 | Surface characterization of rapidly grown TiO ₂ nanotubes assisted by field supporting effect. <i>AIP Conference Proceedings</i> , 2015, , . | 0.3 | 0 |
| 34 | Morphology and Functionalization Dependent Sensing of Dopamine on L-Arginine Functionalized Hydroxyapatite Nanoparticles. <i>ChemistrySelect</i> , 2022, 7, . | 0.7 | 0 |