P Wilson

List of Publications by Year
in descending order

34	462	566801 15	752256 20
papers	citations	h-index	g-index

34	34	34	603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A critical review on the variations in anodization parameters toward microstructural formation of TiO₂ nanotubes. Electrochemical Science Advances, 2022, 2, e202100083.	1.2	15
2	Visible light active black TiO2 nanostructures and its RGO based nanocomposite for enhanced hydrogen generation and electrochemical potency. Applied Surface Science Advances, 2022, 7, 100215.	2.9	7
3	Service Learning Science Camps Among Tribals as a Tool for Capacity Building Among Students â€“ A Step Toward Inclusive Chemistry Education. Journal of Chemical Education, 2022, 99, 1700-1707.	1.1	2
4	Facile synthesis of black N-TiO2Â/ N-RGO nanocompositeÂfor hydrogen generation and electrochemical applications:ÂNew insights into the structure-performance relationship. Applied Surface Science Advances, 2022, 9, 100249.	2.9	10
5	Morphology and Functionalization Dependent Sensing of Dopamine on Lâ€Arginine Functionalized Hydroxyapatite Nanoparticles. ChemistrySelect, 2022, 7, .	0.7	0
6	Tuning the type of nitrogen on N-RGO supported on N-TiO2 under ultrasonication/hydrothermal treatment for efficient hydrogen evolution â€“ A mechanistic overview. Ultrasonics Sonochemistry, 2020, 64, 104866.	3.8	11
7	Nanoscale Hydroxyapatite for Electrochemical Sensing of Uric Acid: Roles of Mesopore Volume and Surface Acidity. ACS Applied Nano Materials, 2020, 3, 7761-7773.	2.4	23
8	Effect of Ni, Pd, and Pt Nanoparticle Dispersion on Thick Films of TiO₂ Nanotubes for Hydrogen Sensing: TEM and XPS Studies. ACS Omega, 2020, 5, 11352-11360.	1.6	23
9	A plausible impact on the role of pulses in anodized TiO2 nanotube arrays enhancing Ti3+ defects. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	4
10	Silver nanoparticleâ€“decorated PANI/reduced graphene oxide for sensing of hydrazine in water and inhibition studies on microorganism. Ionics, 2020, 26, 3123-3133.	1.2	13
11	Chemo-resistive detection of hydrogen in argon using Pd nanoparticles on TiO₂ nanotubes prepared via rapid breakdown anodization. Materials Research Express, 2019, 6, 095065.	0.8	4
12	WO₃ Nanorods Supported on Mesoporous TiO₂ Nanotubes as One-Dimensional Nanocomposites for Rapid Degradation of Methylene Blue under Visible Light Irradiation. Journal of Physical Chemistry C, 2019, 123, 27448-27464.	1.5	21
13	Ultrasonically aided selective stabilization of pyrrolic type nitrogen by one pot nitrogen doped and hydrothermally reduced Graphene oxide/Titania nanocomposite (N-TiO2/N-RGO) for H2 production. Ultrasonics Sonochemistry, 2019, 57, 62-72.	3.8	23
14	Influence of noble metal loading and effect of temperature on the hydrogen sensing behavior of the platinum sensitized titania nanotubes. Materials Research Express, 2019, 6, 015006.	0.8	7
15	Strontium incorporated hydroxyapatite/hydrothermally reduced graphene oxide nanocomposite as a cytocompatible material. Ceramics International, 2019, 45, 5475-5485.	2.3	23
16	Investigations on sonofragmentation of hydroxyapatite crystals as a function of strontium incorporation. Ultrasonics Sonochemistry, 2019, 50, 188-199.	3.8	20
17	Photocatalytic water splitting of TiO₂ nanotubes powders prepared via rapid breakdown anodization sensitized with Pt, Pd and Ni nanoparticles. Materials Technology, 2018, 33, 288-300.	1.5	28
18	Cobalt phthalocyanine tagged graphene nanoflakes for enhanced electrocatalytic detection of N-acetylcysteine by amperometry method. Ionics, 2018, 24, 2807-2819.	1.2	10

#	Article	IF	Citations
19	Investigating the photocatalytic degradation property of Pt, Pd and Ni nanoparticles-loaded TiO₂ nanotubes powder prepared via rapid breakdown anodization. Environmental Technology (United Kingdom), 2018, 39, 2994-3005.	1.2	12
20	l-arginine directed and ultrasonically aided growth of nanocrystalline hydroxyapatite particles with tunable morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 270-279.	2.3	27
21	Electrocatalytic Investigation of Group X Metal Nanoparticles Loaded TiO2Nanotubes Powder Prepared by Rapid Breakdown Anodization for Selective H2O2Sensing. Journal of the Electrochemical Society, 2017, 164, B356-B365.	1.3	11
22	Synthesis of Well-Dispersed Silver Nanoparticles on Polypyrrole/Reduced Graphene Oxide Nanocomposite for Simultaneous Detection of Toxic Hydrazine and Nitrite in Water Sources. Journal of the Electrochemical Society, 2017, 164, B620-B631.	1.3	23
23	Characterization of Surface Chromia Species on CrOx/TiO2 Catalysts. Eurasian Chemico-Technological Journal, 2017, 4, 249.	0.3	1
24	Structural Properties and Catalytic Behaviour of CrOx/TiO2 Systems. Eurasian Chemico-Technological Journal, 2017, 6, 79.	0.3	1
25	Role of triton X-100 and hydrothermal treatment on the morphological features of nanoporous hydroxyapatite nanorods. Materials Science and Engineering C, 2016, 63, 554-562.	3.8	36
26	Room Temperature Hydrogen Sensing of Pt Loaded TiO₂Nanotubes Powders Prepared via Rapid Breakdown Anodization. Journal of the Electrochemical Society, 2016, 163, B15-B18.	1.3	17
27	Surface characterization of rapidly grown TiO2 nanotubes assisted by field supporting effect. AIP Conference Proceedings, 2015, , .	0.3	0
28	A comparative study on the morphological features of highly ordered titania nanotube arrays prepared via galvanostatic and potentiostatic modes. Current Applied Physics, 2014, 14, 868-875.	1.1	17
29	A comparative study of hydroxyapatites synthesized using various fuels through aqueous and alcohol mediated combustion routes. Ceramics International, 2013, 39, 3519-3532.	2.3	15
30	Synthesis of nanoscale hydroxyapatite particles using triton X-100 as an organic modifier. Ceramics International, 2013, 39, 771-777.	2.3	27
31	Effect of nanoporous ZrO2 crystal size on the surface sulphur capacity and performance of sulfated zirconia as an acidic catalytic material. Studies in Surface Science and Catalysis, 2005, , 385-392.	1.5	2
32	Thermoanalytical investigations on supported chromia catalysts. Thermochimica Acta, 2003, 399, 109-120.	1.2	10
33	Characterisation of ceria supported chromia catalysts. Applied Catalysis A: General, 2000, 201, 23-35.	2.2	16
34	Hydroxyapatite as a bifunctional nanocatalyst for solventless Henry reaction: a demonstration of morphology-dependent catalysis. New Journal of Chemistry, 0, , .	1.4	3