

Ayman H Zaki

List of Publications by Year in descending order

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34
papers

503
citations

623734

14
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Mn, Cu, and Cd doping for titanium oxide nanotubes on the photocatalytic activity toward water splitting under visible light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 554, 100-109.	4.7	48
2	Visible light assisted photocatalytic degradation of crystal violet, bromophenol blue and eosin Y dyes using AgBr-ZnO nanocomposite. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 9, 164-173.	2.9	46
3	Morphological effect of titanate nanostructures on the photocatalytic degradation of crystal violet. <i>Nanomaterials and Nanotechnology</i> , 2019, 9, 184798041882177.	3.0	36
4	Control of Selectivity in Heterogeneous Photocatalysis by Tuning TiO ₂ Morphology for Water Treatment Applications. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 12.	3.0	34
5	Synthesis, physicochemical properties and photocatalytic activity of nanosized Mg doped Mn ferrite. <i>Journal of Molecular Liquids</i> , 2017, 231, 589-596.	4.9	28
6	Synthesis of Fe/Co-doped titanate nanotube as redox catalyst for photon-induced water splitting. <i>Materials Chemistry and Physics</i> , 2018, 217, 125-132.	4.0	26
7	TiO ₂ Nanotubes: An Advanced Electron Transport Material for Enhancing the Efficiency and Stability of Perovskite Solar Cells. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18549-18557.	3.7	25
8	Enhancement of microbial lipase activity via immobilization over sodium titanate nanotubes for fatty acid methyl esters production. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 1169-1179.	7.5	24
9	Fe Co ²⁺ -doped titanium oxide nanotubes as effective photocatalysts for hydrogen extraction from ammonium phosphate. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7990-7997.	7.1	22
10	Morphology transformation from titanate nanotubes to TiO ₂ microspheres. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 10-17.	4.0	20
11	Sodium titanate nanotubes for efficient transesterification of oils into biodiesel. <i>Environmental Science and Pollution Research</i> , 2019, 26, 36388-36400.	5.3	19
12	Sodium titanate - Bacillus as a new Nanopesticides for Cotton Leaf-Worm. <i>Journal of Pure and Applied Microbiology</i> , 2017, 11, 725-732.	0.9	19
13	Consecutive removal of heavy metals and dyes by a fascinating method using titanate nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104726.	6.7	17
14	Novel magnetic standpoints in Na ₂ Ti ₃ O ₇ nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 207-212.	2.3	16
15	Biosynthesis of Silver Nanoparticles from Synechocystis sp to be Used as a Flocculant Agent with Different Microalgae Strains. <i>Current Nanomaterials</i> , 2020, 5, 175-187.	0.4	15
16	CO ₂ decomposition over freshly reduced nano-crystallite Cu _{0.5} Zn _{0.5} Fe ₂ O ₄ at 400-600°C. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 81, 272-277.	5.5	12
17	Effects of K ⁺ , Mg ²⁺ , Ca ²⁺ , Zn ²⁺ , La ³⁺ , Cr ³⁺ , Ce ³⁺ , Ce ⁴⁺ , and Mo ⁵⁺ Doping on the Adsorption Performance and Optical Properties of Sodium Titanate Nanotubes. <i>ACS Omega</i> , 2019, 4, 19623-19634.	3.5	10
18	Kinetics study on esterification of acrylic acid and ethanol over acidic cation-exchange resin beads Amberlyst 35. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 44-50.	5.3	10

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19	Acceleration of ammonium phosphate hydrolysis using TiO ₂ microspheres as a catalyst for hydrogen production. <i>Nanoscale Advances</i> , 2020, 2, 2080-2086.	4.6	10
20	Nanocomposite system of simultaneously-thiolated graphene oxide and polyaniline nanofibers for energy storage applications. <i>Electrochimica Acta</i> , 2019, 300, 1-8.	5.2	9
21	Kinetics and mechanisms of the reduction of Cu _{0.5} Zn _{0.5} Fe ₂ O ₄ with hydrogen at 400–600°C for the production of metallic nanoparticles. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007, 80, 346-352.	5.5	8
22	Effect of Different TiO ₂ Morphologies on the Activity of Immobilized Lipase for Biodiesel Production. <i>ACS Omega</i> , 2021, 6, 35484-35493.	3.5	7
23	<p>Prostate Cancer Cellular Uptake of Ternary Titanate Nanotubes/CuFe₂O₄/Zn-Fe Mixed Metal Oxides Nanocomposite</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 619-631.	6.7	5
24	Facile synthesis of Ni-incorporated and nitrogen-doped reduced graphene oxide as an effective electrode material for tri(ammonium) phosphate electro-oxidation. <i>Materials Advances</i> , 2022, 3, 2760-2771.	5.4	5
25	Changing the morphology of one-dimensional titanate nanostructures affects its tissue distribution and toxicity. <i>Toxicology and Industrial Health</i> , 2020, 36, 272-286.	1.4	4
26	Effect of hydrothermal time and acid-washing on the antibacterial activity of Sodium titanate nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1046, 012025.	0.6	4
27	Innovative biotemplates for the synthesis of ZnO nanoparticles with versatile morphologies. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 326-338.	2.4	4
28	Efficient Removal of Lead and Cadmium ions by Titanate Nanotubes Prepared at Different Hydrothermal Conditions. <i>Current Nanoscience</i> , 2019, 15, 197-208.	1.2	4
29	Valorization of industrial iron and zinc sludges for the synthesis of ZnFe ₂ O ₄ ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 544, 168681.	2.3	4
30	Electro-oxidation of tri(ammonium) phosphate: New hydrogen source compatible with Ni-based electro-catalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 25280-25288.	7.1	4
31	Nano Titania combined with micro silica reinforced limestone cement: Physico-mechanical Investigation. <i>Egyptian Journal of Chemistry</i> , 2019, .	0.2	3
32	Improved production of titanate nanotubes by hydrothermal method for adsorption of organic dyes. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2021, 10, .	2.0	3
33	Studying and evaluating catalytic pyrolysis of polypropylene. <i>Egyptian Journal of Chemistry</i> , 2021, .	0.2	1
34	Composite Catalyst for Conversion of Plastic Waste to Fuel: Preparation and Performance. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2022, 31, 10-16.	0.5	1