

Marcin Kobiela

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

800
citations

516710

16
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in visible light-driven water oxidation and reduction in suspension systems. <i>Materials Today</i> , 2018, 21, 897-924.	14.2	157
2	On Oxygen Activation at Rutile- and Anatase-TiO ₂ . <i>ACS Catalysis</i> , 2015, 5, 7424-7431.	11.2	154
3	Self-Sensitized Photocatalytic Degradation of Colorless Organic Pollutants Attached to Rutile Nanorods Experimental and Theoretical DFT+D Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5442-5456.	3.1	53
4	Photodynamic Inactivation of Bacteria with Porphyrin Derivatives: Effect of Charge, Lipophilicity, ROS Generation, and Cellular Uptake on Their Biological Activity In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8716.	4.1	47
5	TiO ₂ Processed by pressurized hot solvents as a novel photocatalyst for photocatalytic reduction of carbon dioxide. <i>Applied Surface Science</i> , 2017, 391, 282-287.	6.1	36
6	Spectroelectrochemical analysis of TiO ₂ electronic states – Implications for the photocatalytic activity of anatase and rutile. <i>Catalysis Today</i> , 2018, 309, 35-42.	4.4	36
7	Iron and other metal species as phase-composition controllers influencing the photocatalytic activity of TiO ₂ materials. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 173-181.	20.2	31
8	Synthesis and Characterization of Size- and Charge-Tunable Silver Nanoparticles for Selective Anticancer and Antibacterial Treatment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14981-14996.	8.0	29
9	Spectroelectrochemical characterization of euhedral anatase TiO ₂ crystals – Implications for photoelectrochemical and photocatalytic properties of {001} {100} and {101} facets. <i>Electrochimica Acta</i> , 2019, 310, 256-265.	5.2	28
10	TiO ₂ with Tunable Anatase-to-Rutile Nanoparticles Ratios: How Does the Photoactivity Depend on the Phase Composition and the Nature of Photocatalytic Reaction?. <i>ACS Applied Nano Materials</i> , 2021, 4, 633-643.	5.0	28
11	Surface Modification of Nanocrystalline TiO ₂ Materials with Sulfonated Porphyrins for Visible Light Antimicrobial Therapy. <i>Catalysts</i> , 2019, 9, 821.	3.5	27
12	Photocatalytic hydrogen evolution by co-catalyst-free TiO ₂ /C bulk heterostructures synthesized under mild conditions. <i>RSC Advances</i> , 2020, 10, 12519-12534.	3.6	25
13	How insignificant modifications of photocatalysts can significantly change their photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25142-25154.	10.3	23
14	Near-Infrared-Triggered Nitrogen Fixation over Upconversion Nanoparticles Assembled Carbon Nitride Nanotubes with Nitrogen Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32937-32947.	8.0	21
15	Novel and effective synthesis protocol of AgNPs functionalized using L-cysteine as a potential drug carrier. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 123-130.	3.0	19
16	Design, engineering, and performance of nanorod-Fe ₂ O ₃ @rGO@LaSrFe ₂ -Co O ₆ (n = 0, 1) composite architectures: The role of double oxide perovskites in reaching high solar to hydrogen efficiency. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118952.	20.2	19
17	Combined Spectroscopic Methods of Determination of Density of Electronic States: Comparative Analysis of Diffuse Reflectance Spectroelectrochemistry and Reversed Double-Beam Photoacoustic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3019-3025.	4.6	16
18	Photocatalytic Synthesis of Chemicals. <i>Advances in Inorganic Chemistry</i> , 2018, 72, 93-144.	1.0	15

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19	Photocatalytic Activity of TiO ₂ Modified with Hexafluorometallates – Fine Tuning of Redox Properties by Redox-Innocent Anions. Journal of Physical Chemistry C, 2014, 118, 24915-24924.	3.1	14
20	Interfacial Charge Transfer Complexes in TiO ₂ -Enediol Hybrids Synthesized by Sol-Gel. Langmuir, 2022, 38, 1821-1832.	3.5	8
21	Photocatalytic activity of TiO ₂ polymorph B revisited: physical, redox, spectroscopic, and photochemical properties of TiO ₂ (B)/anatase series of titanium dioxide materials. Materials Today Sustainability, 2020, 10, 100052.	4.1	7
22	Selective and efficient catalytic and photocatalytic oxidation of diphenyl sulphide to sulfoxide and sulfone: the role of hydrogen peroxide and TiO ₂ polymorph. RSC Advances, 2022, 12, 1862-1870.	3.6	7
23	Experimental methods in thermodynamic and kinetic studies on photocatalytic materials. , 2021, , 95-114.		0