

Marta Radecka

List of Publications by Year in descending order

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56
papers

1,936
citations

304368

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docs citations

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times ranked

2740
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface design, surface-related properties, and their role in interfacial electron transfer. Part II: Photochemistry-related topics. <i>Advances in Inorganic Chemistry</i> , 2022, , .	0.4	2
2	Interface design, surface-related properties, and their role in interfacial electron transfer. Part I: Materials-related topics. <i>Advances in Inorganic Chemistry</i> , 2022, , 377-413.	0.4	2
3	Improved photon management in a photoelectrochemical cell with Nd-modified TiO ₂ thin film photoanode. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12082-12094.	3.8	13
4	Nonenzymatic Glucose Sensors Based on Copper Sulfides: Effect of Binder-Particles Interactions in Drop-Casted Suspensions on Electrodes Electrochemical Performance. <i>Sensors</i> , 2021, 21, 802.	2.1	11
5	Optically Active TiO ₂ :Er Thin Films Deposited by Magnetron Sputtering. <i>Materials</i> , 2021, 14, 4085.	1.3	10
6	TiO ₂ @Cu ₂ O n-n Type Heterostructures for Photochemistry. <i>Materials</i> , 2021, 14, 3725.	1.3	9
7	New insights into the formation of multi-core-shell mesoporous SnO ₂ @SnS ₂ nanostructures. <i>Materials Research Letters</i> , 2021, 9, 445-451.	4.1	5
8	Electrochemical Characterization of Modified Glassy Carbon Electrodes for Non-Enzymatic Glucose Sensors. <i>Sensors</i> , 2021, 21, 7928.	2.1	6
9	Antibacterial composite hybrid coatings of veterinary medical implants. <i>Materials Science and Engineering C</i> , 2020, 112, 110968.	3.8	16
10	Size Effect in Nanostructured SnO ₂ /TiO ₂ Gas Sensors. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2040-2040.	0.0	0
11	Surface-Controlled Photocatalysis and Chemical Sensing of TiO ₂ , Fe ₂ O ₃ , and Cu ₂ O Nanocrystals. <i>Crystals</i> , 2019, 9, 163.	1.0	23
12	Shaped Fe ₂ O ₃ nanoparticles Synthesis and enhanced photocatalytic degradation towards RhB. <i>Applied Surface Science</i> , 2019, 476, 342-352.	3.1	93
13	Functionalized structures based on shape-controlled TiO ₂ . <i>Applied Surface Science</i> , 2019, 473, 603-613.	3.1	15
14	The Effect of Elastic and Inelastic Scattering on Electronic Transport in Open Systems. <i>International Journal of Applied Mathematics and Computer Science</i> , 2019, 29, 427-437.	1.5	0
15	Structural properties of TiO ₂ nanomaterials. <i>Journal of Molecular Structure</i> , 2018, 1157, 327-336.	1.8	54
16	Photoactive TiO ₂ /MoS ₂ electrode with prolonged stability. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6824-6837.	3.8	15
17	Array of Gas Sensors Based on TiO ₂ Upon Temperature Modulation. , 2018, , .		3
18	Oxide Nanomaterials for Photoelectrochemical Hydrogen Energy Sources. <i>Advances in Inorganic Chemistry</i> , 2018, , 145-183.	0.4	9

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19	TiO ₂ /SnO ₂ Gas Sensors of H ₂ . , 2018, , .		0
20	A SrTiO ₃ -TiO ₂ eutectic composite as a stable photoanode material for photoelectrochemical hydrogen production. Applied Catalysis B: Environmental, 2017, 206, 538-546.	10.8	42
21	When eutectic composites meet photoelectrochemistry â€“ Highly stable and efficient UVâ€“visible hybrid photoanodes. Journal of Catalysis, 2017, 352, 93-101.	3.1	12
22	Nanocrystalline TiO ₂ /SnO ₂ heterostructures for gas sensing. Beilstein Journal of Nanotechnology, 2017, 8, 108-122.	1.5	27
23	CdS for TiO ₂ -based heterostructures as photoactive anodes in the photoelectrochemical cells. International Journal of Hydrogen Energy, 2016, 41, 7548-7562.	3.8	33
24	The Structure and Bond Strength of Composite Carbide Coatings (WC-Co+Ni) Deposited on Ductile Cast Iron by Thermal Spraying. Journal of Materials Engineering and Performance, 2016, 25, 502-509.	1.2	6
25	Ammonolysis of polycrystalline and amorphized gallium arsenide GaAs to polytype-specific nanopowders of gallium nitride GaN. RSC Advances, 2016, 6, 41074-41086.	1.7	5
26	Biopolymeric hydrogels âˆ™ nanostructured TiO ₂ hybrid materials as potential injectable scaffolds for bone regeneration. Colloids and Surfaces B: Biointerfaces, 2016, 148, 607-614.	2.5	41
27	Mechanical and Tribological Properties of HVOF-Sprayed (Cr ₃ C ₂ -NiCr+Ni) Composite Coating on Ductile Cast Iron. Journal of Materials Engineering and Performance, 2016, 25, 3185-3193.	1.2	19
28	TiO ₂ -based photoanodes modified with GO and MoS ₂ layered materials. RSC Advances, 2016, 6, 102886-102898.	1.7	9
29	Structural, optical and electrical properties of nanocrystalline TiO ₂ , SnO ₂ and their composites obtained by the solâ€“gel method. Journal of the European Ceramic Society, 2016, 36, 2981-2989.	2.8	44
30	Sn and Cu oxide nanoparticles deposited on TiO ₂ nanoflower 3D substrates by Inert Gas Condensation technique. Applied Surface Science, 2016, 380, 193-202.	3.1	25
31	Study of N-doped TiO ₂ thin films for photoelectrochemical hydrogen generation from water. Open Chemistry, 2015, 13, .	1.0	10
32	TiO ₂ nanostructures for photoelectrochemical cells (PECs). International Journal of Hydrogen Energy, 2015, 40, 4936-4944.	3.8	54
33	Incorporation of chromium into TiO ₂ nanopowders. Materials Research Bulletin, 2015, 64, 112-116.	2.7	6
34	TiO ₂ /SnO ₂ nanotubes for hydrogen generation by photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2015, 40, 841-851.	3.8	65
35	Hardâ€“template synthesis of titanium dioxide hollow spheres. Micro and Nano Letters, 2014, 9, 721-725.	0.6	6
36	TiO ₂ flower-like nanostructures decorated with CdS/PbS nanoparticles. Materials Research Bulletin, 2014, 60, 28-37.	2.7	27

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37	TiO ₂ –SnO ₂ nanomaterials for gas sensing and photocatalysis. Journal of the European Ceramic Society, 2013, 33, 2285-2290.	2.8	75
38	Thin Films of TiO ₂ –N for Photo-Electrochemical Applications. Journal of Nanoscience and Nanotechnology, 2012, 12, 4703-4709.	0.9	11
39	Chemical composition, crystallographic structure and impedance spectroscopy of titanium oxynitride Ti _x O _y thin films. Solid State Ionics, 2011, 192, 693-698.	1.3	29
40	Nitrogen-doped titanium dioxide—Characterization of structural and optical properties. Materials Research Bulletin, 2009, 44, 1547-1552.	2.7	19
41	Structural and electrical properties of magnetron sputtered Ti(ON) thin films: The case of TiN doped in situ with oxygen. Journal of Power Sources, 2009, 194, 93-103.	4.0	88
42	Influence of Cr on structural and optical properties of TiO ₂ :Cr nanopowders prepared by flame spray synthesis. Journal of Power Sources, 2009, 194, 104-111.	4.0	49
43	Importance of the band gap energy and flat band potential for application of modified TiO ₂ photoanodes in water photolysis. Journal of Power Sources, 2008, 181, 46-55.	4.0	337
44	Microstructure and optical properties of photoactive TiO ₂ :N thin films. Vacuum, 2008, 82, 936-941.	1.6	39
45	Photoelectrochemical properties of Nb-doped titanium dioxide. Physica B: Condensed Matter, 2007, 399, 55-59.	1.3	18
46	Effect of oxygen nonstoichiometry on photo-electrochemical properties of TiO ₂ –x. Journal of Power Sources, 2007, 173, 816-821.	4.0	60
47	Response and sensitivity of TiO ₂ –SnO ₂ semiconducting sensors for reducing gases. , 2006, , .		0
48	Charge and mass transport in ceramic TiO ₂ . Journal of the European Ceramic Society, 2002, 22, 2001-2012.	2.8	22
49	Effect of High-Temperature Treatment on n-p Transition in Titania. Journal of the American Ceramic Society, 2002, 85, 346-354.	1.9	20
50	Frequency-dependent electrical properties in the system SnO ₂ -TiO ₂ . Journal of Materials Science: Materials in Electronics, 2001, 12, 11-16.	1.1	9
51	Structural evolution of SnO ₂ –TiO ₂ nanocrystalline films for gas sensors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 386-391.	1.7	42
52	SnO ₂ –TiO ₂ solid solutions for gas sensors. Sensors and Actuators B: Chemical, 1998, 47, 194-204.	4.0	151
53	Preparation and application in gas detection of rutile oxide semiconductors. , 1997, , .		1
54	SEMICONDUCTING PROPERTIES OF UNDOPED TiO ₂ . Journal of Physics and Chemistry of Solids, 1997, 58, 927-937.	1.9	112

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55	Effect of Nb, Cr, Sn additions on gas sensing properties of TiO ₂ thin films. Thin Solid Films, 1997, 310, 161-166.	0.8	135
56	The effect of cationic ratio on the semiconducting and the dielectrical properties of barium metatitanate. Reactivity of Solids, 1989, 7, 43-52.	0.3	2