

Corrado Garlisi

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33
papers

637
citations

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h-index

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g-index

34
ext. papers

886
ext. citations

7
avg. IF

4.83
L-index

#	Paper	IF	Citations
33	Metal-organic frameworks for photocatalytic CO ₂ reduction under visible radiation: A review of strategies and applications. <i>Catalysis Today</i> , 2020 , 340, 209-224	5.3	128
32	Synthesis and Surface Modification of TiO ₂ -Based Photocatalysts for the Conversion of CO ₂ . <i>Catalysts</i> , 2020 , 10, 227	4	44
31	Inorganic semiconductors-graphene composites in photo(electro)catalysis: Synthetic strategies, interaction mechanisms and applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017 , 33, 132-164	16.4	43
30	A review of material aspects in developing direct Z-scheme photocatalysts. <i>Materials Today</i> , 2021 , 47, 75-107	21.8	42
29	Multilayer thin film structures for multifunctional glass: Self-cleaning, antireflective and energy-saving properties. <i>Applied Energy</i> , 2020 , 264, 114697	10.7	40
28	Micro-mesoporous N-doped brookite-rutile TiO ₂ as efficient catalysts for water remediation under UV-free visible LED radiation. <i>Journal of Catalysis</i> , 2017 , 346, 109-116	7.3	36
27	Radiation-free superhydrophilic and antifogging properties of e-beam evaporated TiO ₂ films on glass. <i>Applied Surface Science</i> , 2017 , 420, 83-93	6.7	36
26	Overview on microfluidic reactors in photocatalysis: Applications of graphene derivatives. <i>Catalysis Today</i> , 2018 , 315, 79-92	5.3	34
25	E-beam evaporated TiO ₂ and Cu-TiO ₂ on glass: Performance in the discoloration of methylene blue and 2-propanol oxidation. <i>Applied Catalysis A: General</i> , 2016 , 526, 191-199	5.1	30
24	Advances in anti-scale magnetic water treatment. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 408-425	4.2	28
23	(Photo)catalyst Characterization Techniques 2019 , 87-152		20
22	Influence of fluorine on the synthesis of anatase TiO ₂ for photocatalytic partial oxidation: are exposed facets the main actors?. <i>Catalysis Science and Technology</i> , 2018 , 8, 1606-1620	5.5	18
21	N-TiO ₂ /Cu-TiO ₂ double-layer films: Impact of stacking order on photocatalytic properties. <i>Journal of Catalysis</i> , 2017 , 353, 116-122	7.3	17
20	Highly stable defective TiO _{2-x} with tuned exposed facets induced by fluorine: Impact of surface and bulk properties on selective UV/visible alcohol photo-oxidation. <i>Applied Surface Science</i> , 2020 , 510, 145419	6.7	16
19	Relating Photoelectrochemistry and Wettability of Sputtered Cu- and N-Doped TiO ₂ Thin Films via an Integrated Approach. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12369-12376	3.8	15
18	Integrated Nano- and Macroscale Investigation of Photoinduced Hydrophilicity in TiO ₂ Thin Films. <i>Langmuir</i> , 2016 , 32, 11813-11818	4	12
17	Self-Cleaning Coatings Activated by Solar and Visible Radiation. <i>Journal of Advanced Chemical Engineering</i> , 2015 , 05,		10

16	Enhanced photoelectrochemical performance of atomic layer deposited HF-doped ZnO. <i>Surface and Coatings Technology</i> , 2020 , 385, 125352	4.4	10
15	Photoactivated Fe(III)/Fe(II)/WO ₃ /Pd fuel cell for electricity generation using synthetic and real effluents under visible light. <i>Renewable Energy</i> , 2020 , 147, 1070-1081	8.1	10
14	Differences between bulk and surface electronic structure of doped TiO ₂ with soft-elements (C, N and S). <i>Materials Chemistry and Physics</i> , 2018 , 208, 281-288	4.4	8
13	Modelling of a recirculating photocatalytic microreactor implementing mesoporous N-TiO ₂ modified with graphene. <i>Chemical Engineering Journal</i> , 2020 , 391, 123574	14.7	7
12	The influence of nitrogen doping on the electronic structure of the valence and conduction band in TiO. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 145-151	2.4	7
11	Hydrogen production upon UV-light irradiation of Cu/TiO ₂ photocatalyst in the presence of alkanol-amines. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 26701-26715	6.7	6
10	Sputtered vs. sol-gel TiO ₂ -doped films: Characterization and assessment of aqueous bisphenol A oxidation under UV and visible light radiation. <i>Catalysis Today</i> , 2020 , 357, 380-391	5.3	6
9	Combined photocatalytic properties and energy efficiency via multifunctional glass. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102980	6.8	5
8	Alkaline treatment as a means to boost the activity of TiO ₂ in selective photocatalytic processes. <i>Catalysis Science and Technology</i> , 2020 , 10, 5000-5012	5.5	5
7	Combining energy efficiency with self-cleaning properties in smart glass functionalized with multilayered semiconductors. <i>Journal of Cleaner Production</i> , 2020 , 272, 122830	10.3	3
6	Selective photocatalytic oxidation of 3-pyridinemethanol on platinumized acid/base modified TiO ₂ . <i>Catalysis Science and Technology</i> , 2021 , 11, 4549-4559	5.5	1
5	Functionalization of glass by TiO ₂ -based self-cleaning coatings 2021 , 395-428		0
4	Graphene-based hybrid photocatalysts: a promising route toward high-efficiency photocatalytic water remediation 2020 , 325-359		
3	Characterization techniques 2022 , 243-314		
2	Green heterogeneous catalysis 2022 , 193-242		
1	Design of Metal-Dielectric Multilayer Coatings for Energy-Efficient Building Glazing. <i>Energy Technology</i> , 2100776	3.5	