

# Corrado Garlisi

## List of Publications by Year in descending order

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33  
papers

1,157  
citations

566801

15  
h-index

525886

27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks for photocatalytic CO <sub>2</sub> reduction under visible radiation: A review of strategies and applications. <i>Catalysis Today</i> , 2020, 340, 209-224.	2.2	201
2	A review of material aspects in developing direct Z-scheme photocatalysts. <i>Materials Today</i> , 2021, 47, 75-107.	8.3	188
3	Synthesis and Surface Modification of TiO <sub>2</sub> -Based Photocatalysts for the Conversion of CO <sub>2</sub> . <i>Catalysts</i> , 2020, 10, 227.	1.6	94
4	(Photo)catalyst Characterization Techniques. , 2019, , 87-152.		74
5	Multilayer thin film structures for multifunctional glass: Self-cleaning, antireflective and energy-saving properties. <i>Applied Energy</i> , 2020, 264, 114697.	5.1	74
6	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.	5.6	54
7	Radiation-free superhydrophilic and antifogging properties of e-beam evaporated TiO <sub>2</sub> films on glass. <i>Applied Surface Science</i> , 2017, 420, 83-93.	3.1	50
8	Overview on microfluidic reactors in photocatalysis: Applications of graphene derivatives. <i>Catalysis Today</i> , 2018, 315, 79-92.	2.2	49
9	Micro-mesoporous N-doped brookite-rutile TiO <sub>2</sub> as efficient catalysts for water remediation under UV-free visible LED radiation. <i>Journal of Catalysis</i> , 2017, 346, 109-116.	3.1	42
10	Advances in anti-scale magnetic water treatment. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 408-425.	1.2	40
11	E-beam evaporated TiO <sub>2</sub> and Cu-TiO <sub>2</sub> on glass: Performance in the discoloration of methylene blue and 2-propanol oxidation. <i>Applied Catalysis A: General</i> , 2016, 526, 191-199.	2.2	34
12	Highly stable defective TiO <sub>2-x</sub> 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.	3.1	28
13	Relating Photoelectrochemistry and Wettability of Sputtered Cu- and N-Doped TiO <sub>2</sub> Thin Films via an Integrated Approach. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12369-12376.	1.5	26
14	N-TiO <sub>2</sub> /Cu-TiO <sub>2</sub> double-layer films: Impact of stacking order on photocatalytic properties. <i>Journal of Catalysis</i> , 2017, 353, 116-122.	3.1	25
15	Influence of fluorine on the synthesis of anatase TiO <sub>2</sub> for photocatalytic partial oxidation: are exposed facets the main actors?. <i>Catalysis Science and Technology</i> , 2018, 8, 1606-1620.	2.1	25
16	Enhanced photoelectrochemical performance of atomic layer deposited Hf-doped ZnO. <i>Surface and Coatings Technology</i> , 2020, 385, 125352.	2.2	20
17	Modelling of a recirculating photocatalytic microreactor implementing mesoporous N-TiO <sub>2</sub> modified with graphene. <i>Chemical Engineering Journal</i> , 2020, 391, 123574.	6.6	19
18	Hydrogen production upon UV-light irradiation of Cu/TiO <sub>2</sub> photocatalyst in the presence of alkanol-amines. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26701-26715.	3.8	16

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19	Integrated Nano- and Macroscale Investigation of Photoinduced Hydrophilicity in TiO <sub>2</sub> Thin Films. Langmuir, 2016, 32, 11813-11818.	1.6	15
20	Sputtered vs. sol-gel TiO <sub>2</sub> -doped films: Characterization and assessment of aqueous bisphenol A oxidation under UV and visible light radiation. Catalysis Today, 2020, 357, 380-391.	2.2	15
21	Photoactivated Fe(III)/Fe(II)/WO <sub>3</sub> –Pd fuel cell for electricity generation using synthetic and real effluents under visible light. Renewable Energy, 2020, 147, 1070-1081.	4.3	14
22	Combined photocatalytic properties and energy efficiency via multifunctional glass. Journal of Environmental Chemical Engineering, 2019, 7, 102980.	3.3	11
23	Self-Cleaning Coatings Activated by Solar and Visible Radiation. Journal of Advanced Chemical Engineering, 2015, 05, .	0.1	10
24	Differences between bulk and surface electronic structure of doped TiO <sub>2</sub> with soft-elements (C, N and) Tj ETQq0 0.0 rgBT /Overlock 10	2.0	9
25	The influence of nitrogen doping on the electronic structure of the valence and conduction band in TiO <sub>2</sub> . Journal of Synchrotron Radiation, 2019, 26, 145-151.	1.0	9
26	Alkaline treatment as a means to boost the activity of TiO <sub>2</sub> in selective photocatalytic processes. Catalysis Science and Technology, 2020, 10, 5000-5012.	2.1	7
27	Combining energy efficiency with self-cleaning properties in smart glass functionalized with multilayered semiconductors. Journal of Cleaner Production, 2020, 272, 122830.	4.6	5
28	Functionalization of glass by TiO <sub>2</sub> -based self-cleaning coatings. , 2021, , 395-428.		1
29	Selective photocatalytic oxidation of 3-pyridinemethanol on platinumized acid/base modified TiO <sub>2</sub> . Catalysis Science and Technology, 2021, 11, 4549-4559.	2.1	1
30	Green heterogeneous catalysis. , 2022, , 193-242.		1
31	Graphene-based hybrid photocatalysts: a promising route toward high-efficiency photocatalytic water remediation. , 2020, , 325-359.		0
32	Characterization techniques. , 2022, , 243-314.		0
33	Design of Metal–Dielectric Multilayer Coatings for Energy-Efficient Building Glazing. Energy Technology, 0, , 2100776.	1.8	0