Stefano Livraghi

List of Publications by Year
in descending order

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Version: 2024-02-01

39 papers	4,873 citations	257450 24 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	5204 citing authors

#	Article	IF	Citations
1	Characterization of Paramagnetic Species in N-Doped TiO2 Powders by EPR Spectroscopy and DFT Calculations. Journal of Physical Chemistry B, 2005, 109, 11414-11419.	2.6	928
2	N-doped TiO2: Theory and experiment. Chemical Physics, 2007, 339, 44-56.	1.9	864
3	Origin of Photoactivity of Nitrogen-Doped Titanium Dioxide under Visible Light. Journal of the American Chemical Society, 2006, 128, 15666-15671.	13.7	818
4	The Nature of Defects in Fluorine-Doped TiO₂. Journal of Physical Chemistry C, 2008, 112, 8951-8956.	3.1	330
5	Density Functional Theory and Electron Paramagnetic Resonance Study on the Effect of Nâ˜F Codoping of TiO₂. Chemistry of Materials, 2008, 20, 3706-3714.	6.7	189
6	Charge trapping in TiO2 polymorphs as seen by Electron Paramagnetic Resonance spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 9435.	2.8	188
7	The nature of paramagnetic species in nitrogen doped TiO2 active in visible light photocatalysis. Chemical Communications, 2005, , 498.	4.1	181
8	Nitrogen-Doped Titanium Dioxide Active in Photocatalytic Reactions with Visible Light: A Multi-Technique Characterization of Differently Prepared Materials. Journal of Physical Chemistry C, 2008, 112, 17244-17252.	3.1	155
9	Mechanism of the Photoactivity under Visible Light of N-Doped Titanium Dioxide. Charge Carriers Migration in Irradiated N-TiO₂ Investigated by Electron Paramagnetic Resonance.. Journal of Physical Chemistry C, 2012, 116, 20887-20894.	3.1	155
10	On the Nature of Reduced States in Titanium Dioxide As Monitored by Electron Paramagnetic Resonance. I: The Anatase Case. Journal of Physical Chemistry C, 2011, 115, 25413-25421.	3.1	147
11	The nitrogen photoactive centre in N-doped titanium dioxide formed via interaction of N atoms with the solid. Nature and energy level of the species. Chemical Physics Letters, 2009, 477, 135-138.	2.6	87
12	Preparation and spectroscopic characterization of visible light sensitized N doped TiO2 (rutile). Journal of Solid State Chemistry, 2009, 182, 160-164.	2.9	71
13	Role of Hydroxyl, Superoxide, and Nitrate Radicals on the Fate of Bromide Ions in Photocatalytic TiO₂ Suspensions. ACS Catalysis, 2020, 10, 7922-7931.	11.2	71
14	Fluorine- and Niobium-Doped TiO₂: Chemical and Spectroscopic Properties of Polycrystalline n-Type-Doped Anatase. Journal of Physical Chemistry C, 2014, 118, 8462-8473.	3.1	64
15	High photocatalytic hydrogen production on Cu(II) pre-grafted Pt/TiO 2. Applied Catalysis B: Environmental, 2017, 209, 417-428.	20.2	62
16	Nature of Reduced States in Titanium Dioxide as Monitored by Electron Paramagnetic Resonance. II: Rutile and Brookite Cases. Journal of Physical Chemistry C, 2014, 118, 22141-22148.	3.1	60
17	The nitrogenâ€“boron paramagnetic center in visible light sensitized Nâ€“B co-doped TiO₂. Experimental and theoretical characterization. Physical Chemistry Chemical Physics, 2011, 13, 136-143.	2.8	50
18	Al- and Ga-Doped TiO₂, ZrO₂, and HfO₂: The Nature of O 2p Trapped Holes from a Combined Electron Paramagnetic Resonance (EPR) and Density Functional Theory (DFT) Study. Chemistry of Materials, 2015, 27, 3936-3945.	6.7	50

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19	Copper-Modified TiO₂ and ZrTiO₄: Cu Oxidation State Evolution during Photocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2018, 10, 27745-27756.	8.0	47
20	Role of surface water molecules in stabilizing trapped hole centres in titanium dioxide (anatase) as monitored by electron paramagnetic resonance. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 322-323, 27-34.	3.9	44
21	Fiftyâ€“Fifty Zrâ€“Ti Solid Solution with a TiO₂-Type Structure: Electronic Structure and Photochemical Properties of Zirconium Titanate ZrTiO₄. Journal of Physical Chemistry C, 2017, 121, 5487-5497.	3.1	37
22	Nitrogen-doped semiconducting oxides. Implications on photochemical, photocatalytic and electronic properties derived from EPR spectroscopy. Chemical Science, 2020, 11, 6623-6641.	7.4	32
23	Titanium Ions Dispersed into the ZrO₂ Matrix: Spectroscopic Properties and Photoinduced Electron Transfer. Journal of Physical Chemistry C, 2010, 114, 18553-18558.	3.1	28
24	Inactivation of TiO2 nano-powders for the preparation of photo-stable sunscreens via carbon-based surface modification. Journal of Materials Chemistry, 2012, 22, 19105.	6.7	27
25	Trapped molecular species in N-doped TiO2. Research on Chemical Intermediates, 2007, 33, 739-747.	2.7	24
26	The Existence of Nitrate Radicals in Irradiated TiO₂ Aqueous Suspensions in the Presence of Nitrate Ions. Angewandte Chemie - International Edition, 2018, 57, 10702-10706.	13.8	22
27	Influence of the chemical synthesis on the physicochemical properties of N-TiO2 nanoparticles. Catalysis Today, 2013, 209, 54-59.	4.4	21
28	Electron magnetic resonance in heterogeneous photocatalysis research. Journal of Physics Condensed Matter, 2019, 31, 444001.	1.8	21
29	Nature of Paramagnetic Species in Nitrogen-Doped SnO₂: A Combined Electron Paramagnetic Resonance and Density Functional Theory Study. Journal of Physical Chemistry C, 2015, 119, 26895-26903.	3.1	18
30	Ferromagnetic Interactions in Highly Stable, Partially Reduced TiO₂: The S=2 State in Anatase. Angewandte Chemie - International Edition, 2017, 56, 2604-2607.	13.8	18
31	Formation of Reversible Adducts by Adsorption of Oxygen on Ceâ€“ZrO₂: An Unusual Î·² Ionic Superoxide. Journal of Physical Chemistry C, 2019, 123, 27088-27096.	3.1	14
32	Reversible adsorption of oxygen as superoxide ion on cerium doped zirconium titanate. Applied Catalysis A: General, 2019, 580, 140-148.	4.3	12
33	The photoactive nitrogen impurity in nitrogen-doped zirconium titanate (N-ZrTiO4): a combined electron paramagnetic resonance and density functional theory study. Journal of Materials Chemistry A, 2017, 5, 13062-13071.	10.3	11
34	Structural, electronic and photochemical properties of cerium-doped zirconium titanate. Catalysis Today, 2020, 340, 49-57.	4.4	11
35	A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO₂. Physical Chemistry Chemical Physics, 2016, 18, 22617-22627.	2.8	7
36	Alkaline treatment as a means to boost the activity of TiO2 in selective photocatalytic processes. Catalysis Science and Technology, 2020, 10, 5000-5012.	4.1	7

#	Article	IF	Citations
37	Zinc oxide hollow spheres decorated with cerium dioxide. The role of morphology in the photoactivity of semiconducting oxides. Journal of Physics Condensed Matter, 2022, 34, 134001.	1.8	2
38	Self-Organisation of Copper Species at the Surface of Cuâ€“TiO2 Systems During H2 Evolution Reaction: A Combined Investigation by EPR and Optical Spectroscopy. Applied Magnetic Resonance, 2020, 51, 1497-1513.	1.2	0
39	Ce Doping Boosts the Thermoâ€•and Photocatalytic Oxidation of CO at Low Temperature in TiZrO 4 Solid Solutions. Advanced Materials Interfaces, 2021, 8, 2100532.	3.7	0