

Serena Berardi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,434
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2533
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular artificial photosynthesis. <i>Chemical Society Reviews</i> , 2014, 43, 7501-7519.	38.1	769
2	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. <i>Nature Chemistry</i> , 2019, 11, 146-153.	13.6	132
3	Light-driven wateroxidation with a molecular tetra-cobalt(iii) cubanecluster. <i>Faraday Discussions</i> , 2012, 155, 177-190.	3.2	110
4	Photoinduced Water Oxidation by a Tetraruthenium Polyoxometalate Catalyst: Ion-pairing and Primary Processes with Ru(bpy) ₃ ²⁺ Photosensitizer. <i>Inorganic Chemistry</i> , 2012, 51, 7324-7331.	4.0	98
5	Efficient Light-Driven Water Oxidation Catalysis by Dinuclear Ruthenium Complexes. <i>ChemSusChem</i> , 2015, 8, 3688-3696.	6.8	37
6	Kinetic Analysis of an Efficient Molecular Light-Driven Water Oxidation System. <i>ACS Catalysis</i> , 2017, 7, 5142-5150.	11.2	35
7	Efficient solar water oxidation using photovoltaic devices functionalized with earth-abundant oxygen evolving catalysts. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13083.	2.8	30
8	Syngas Evolution from CO ₂ Electroreduction by Porous Au Nanostructures. <i>ACS Applied Energy Materials</i> , 2020, 3, 4658-4668.	5.1	29
9	Hematite Photoanodes Modified with an Fe ^{III} Water Oxidation Catalyst. <i>ChemPhysChem</i> , 2014, 15, 1164-1174.	2.1	26
10	Perylene Diimide Aggregates on Sb-Doped SnO ₂ : Charge Transfer Dynamics Relevant to Solar Fuel Generation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17737-17745.	3.1	22
11	A hybrid molecular photoanode for efficient light-induced water oxidation. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1979-1985.	4.9	20
12	Charge injection into nanostructured TiO ₂ electrodes from the photogenerated reduced form of a new Ru(ⁱⁱ) polypyridine compound: the "anti-biomimetic" mechanism at work. <i>Dalton Transactions</i> , 2016, 45, 14109-14123.	3.3	19
13	Fluorinated Zn ^{II} Porphyrins for Dye-Sensitized Aqueous Photoelectrosynthetic Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32895-32908.	8.0	19
14	Photoanodes for water oxidation with visible light based on a pentacyclic quinoid organic dye enabling proton-coupled electron transfer. <i>Chemical Communications</i> , 2020, 56, 2248-2251.	4.1	19
15	Porous versus Compact Nanosized Fe(III)-Based Water Oxidation Catalyst for Photoanodes Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20003-20011.	8.0	15
16	Photoelectrochemical Properties of SnO ₂ Photoanodes Sensitized by Cationic Perylene-Di-Imide Aggregates for Aqueous HBr Splitting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1317-1329.	3.1	13
17	Better Together: Ilmenite/Hematite Junctions for Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47435-47446.	8.0	13
18	Artificial photosynthesis: photoanodes based on polyquinoid dyes onto mesoporous tin oxide surface. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1243-1255.	2.9	10

#	ARTICLE	IF	CITATIONS
19	Electronic Properties of Electron-Deficient Zn(II) Porphyrins for HBr Splitting. Applied Sciences (Switzerland), 2019, 9, 2739.	2.5	6
20	Hematite-based photoelectrochemical interfaces for solar fuel production. Inorganica Chimica Acta, 2022, 535, 120862.	2.4	5
21	Rational Design Combining Morphology and Charge-Dynamic for Hematite/Nickel-iron Oxide Thin-Layer Photoanodes: Insights into the Role of the Absorber/Catalyst Junction. ACS Applied Materials & Interfaces, 2019, 11, 48002-48012.	8.0	3
22	Indium-modified copper nanocubes for syngas production by aqueous CO ₂ electroreduction. Dalton Transactions, 2022, 51, 10787-10798.	3.3	3