Damin Monllor-Satoca

List of Publications by Year in Descending Order

36 papers	2,255 citations	23 h-index	37 g-index
37 ext. papers	2,471 ext. citations	10.4 avg, IF	5.02 L-index

#	Paper	IF	Citations
36	Comparative Photo-Electrochemical and Photocatalytic Studies with Nanosized TiO2 Photocatalysts towards Organic Pollutants Oxidation. *Catalysts*, **2021**, 11, 349	4	2
35	Ag(I) ions working as a hole-transfer mediator in photoelectrocatalytic water oxidation on WO film. *Nature Communications*, **2020**, 11, 967	17.4	34
34	Photoelectrocatalytic production of solar fuels with semiconductor oxides: materials, activity and modeling. *Chemical Communications*, **2020**, 56, 12272-12289	5.8	13
33	Enhanced photoelectrochemical and hydrogen production activity of aligned CdS nanowire with anisotropic transport properties. *Applied Surface Science*, **2019**, 463, 339-347	6.7	25
32	Homogeneous photocatalytic Fe/Fe redox cycle for simultaneous Cr(VI) reduction and organic pollutant oxidation: Roles of hydroxyl radical and degradation intermediates. *Journal of Hazardous Materials*, **2019**, 372, 121-128	12.8	50
31	Hydrogenation and Structuration of TiO2 Nanorod Photoanodes: Doping Level and the Effect of Illumination in Trap-States Filling. *Journal of Physical Chemistry C*, **2018**, 122, 3295-3304	3.8	14
30	Electrochemical Doping as a Way to Enhance Water Photooxidation on Nanostructured Nickel Titanate and Anatase Electrodes. *ChemElectroChem*, **2017**, 4, 1429-1435	4.3	3
29	Temperature-boosted photocatalytic H production and charge transfer kinetics on TiO under UV and visible light. *Photochemical and Photobiological Sciences*, **2016**, 15, 1247-1253	4.2	14
28	Tailoring Multilayered BiVO4 Photoanodes by Pulsed Laser Deposition for Water Splitting. *ACS Applied Materials & Interfaces*, **2016**, 8, 4076-85	9.5	55
27	Efficient WO3 photoanodes fabricated by pulsed laser deposition for photoelectrochemical water splitting with high faradaic efficiency. *Applied Catalysis B: Environmental*, **2016**, 189, 133-140	21.8	62
26	What do you do, titanium? Insight into the role of titanium oxide as a water oxidation promoter in hematite-based photoanodes. *Energy and Environmental Science*, **2015**, 8, 3242-3254	35.4	115
25	N-doped TiO2 nanotubes coated with a thin TaOxNy layer for photoelectrochemical water splitting: dual bulk and surface modification of photoanodes. *Energy and Environmental Science*, **2015**, 8, 247-257	35.4	131
24	Visible light photocatalysis of fullerol-complexed TiO2 enhanced by Nb doping. *Applied Catalysis B: Environmental*, **2014**, 152-153, 233-240	21.8	79
23	Promoting water photooxidation on transparent WO3 thin films using an alumina overlayer. *Energy and Environmental Science*, **2013**, 6, 3732	35.4	113
22	Tuning the Fermi Level and the Kinetics of Surface States of TiO2 Nanorods by Means of Ammonia Treatments. *Journal of Physical Chemistry C*, **2013**, 117, 20517-20524	3.8	53
21	Photooxidation of arsenite under 254 nm irradiation with a quantum yield higher than unity. *Environmental Science & Technology*, **2013**, 47, 9381-7	10.3	54
20	Band energy levels and compositions of CdS-based solid solution and their relation with photocatalytic activities. *Catalysis Science and Technology*, **2013**, 3, 1790	5.5	18

19	Role of Interparticle Charge Transfers in Agglomerated Photocatalyst Nanoparticles: Demonstration in Aqueous Suspension of Dye-Sensitized TiO2. *Journal of Physical Chemistry Letters*, **2013**, 4, 189-94	6.4	87
18	Solar Photoconversion Using Graphene/TiO2 Composites: Nanographene Shell on TiO2 Core versus TiO2 Nanoparticles on Graphene Sheet. *Journal of Physical Chemistry C*, **2012**, 116, 1535-1543	3.8	272
17	Concentration-dependent photoredox conversion of As(III)/As(V) on illuminated titanium dioxide electrodes. *Environmental Science & Technology*, **2012**, 46, 5519-27	10.3	30
16	Simultaneous production of hydrogen with the degradation of organic pollutants using TiO2 photocatalyst modified with dual surface components. *Energy and Environmental Science*, **2012**, 5, 7647	35.4	199
15	The electrochemistry of nanostructured titanium dioxide electrodes. *ChemPhysChem*, **2012**, 13, 2824-75	3.2	210
14	Effect of surface fluorination on the electrochemical and photoelectrocatalytic properties of nanoporous titanium dioxide electrodes. *Langmuir*, **2011**, 27, 15312-21	4	54
13	Comment on "Photocatalytic oxidation of arsenite over TiO2: is superoxide the main oxidant in normal air-saturated aqueous solutions?". *Environmental Science & Technology*, **2011**, 45, 9816-7; author reply 9818-9	10.3	2
12	Response to Comment on "Photocatalytic Oxidation Mechanism of As(III) on TiO2: Unique Role of As(III) as a Charge Recombinant Species" *Environmental Science & Technology*, **2011**, 45, 2030-2031	10.3	7
11	A photoelectrochemical and spectroscopic study of phenol and catechol oxidation on titanium dioxide nanoporous electrodes. *Electrochimica Acta*, **2010**, 55, 4661-4668	6.7	16
10	Electrochemical Method for Studying the Kinetics of Electron Recombination and Transfer Reactions in Heterogeneous Photocatalysis: The Effect of Fluorination on TiO2 Nanoporous Layers. *Journal of Physical Chemistry C*, **2008**, 112, 139-147	3.8	72
9	Thin Films of Rutile Quantum-size Nanowires as Electrodes: Photoelectrochemical Studies. *Journal of Physical Chemistry C*, **2008**, 112, 15920-15928	3.8	33
8	An Electrochemical Study on the Nature of Trap States in Nanocrystalline Rutile Thin Films. *Journal of Physical Chemistry C*, **2007**, 111, 9936-9942	3.8	111
7	The electrochemistry of transparent quantum size rutile nanowire thin films prepared by one-step low temperature chemical bath deposition. *Chemical Physics Letters*, **2007**, 447, 91-95	2.5	21
6	Photocatalytic behavior of suspended and supported semiconductor particles in aqueous media: Fundamental aspects using catechol as model molecule. *Catalysis Today*, **2007**, 129, 86-95	5.3	16
5	The "direct-indirect" model: An alternative kinetic approach in heterogeneous photocatalysis based on the degree of interaction of dissolved pollutant species with the semiconductor surface. *Catalysis Today*, **2007**, 129, 247-255	5.3	121
4	Photoelectrochemical behavior of nanostructured WO3 thin-film electrodes: The oxidation of formic acid. *ChemPhysChem*, **2006**, 7, 2540-51	3.2	63
3	Charge transfer reductive doping of nanostructured TiO2 thin films as a way to improve their photoelectrocatalytic performance. *Electrochemistry Communications*, **2006**, 8, 1713-1718	5.1	86
2	Determination of electron diffusion lengths in nanostructured oxide electrodes from photopotential maps obtained with the scanning microscope for semiconductor characterization. *Electrochemistry Communications*, **2006**, 8, 1784-1790	5.1	19

Comment on Flat band potential determination: avoiding the pitfalls by A. Hankin, F. E. Bedoya-Lora, J. C. Alexander, A. Regoutz and G. H. Kelsall, J. Mater. Chem. A, 2019, 7, 26162. *Journal of Materials Chemistry A*, 1 13 1