

# Maria Bernechea

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,728  
citations

279798

23  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

6666  
citing authors



#	ARTICLE	IF	CITATIONS
19	Diphenyl(phenylethynyl)phosphine d6 [Rh(III), Ir(III), Ru(II)] Complexes: Preparation of Homo (1/4-Cl) <sub>2</sub> and Hetero (1/4-Cl)(1/4-PPh <sub>2</sub> C≡CPh) Bridged d6 <sup>+</sup> d <sub>8</sub> Compounds. <i>Organometallics</i> , 2002, 21, 2314-2324.	2.3	27
20	Determination of carrier lifetime and mobility in colloidal quantum dot films via impedance spectroscopy. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	27
21	Improved electronic coupling in hybrid organic-inorganic nanocomposites employing thiol-functionalized P3HT and bismuth sulfide nanocrystals. <i>Nanoscale</i> , 2014, 6, 10018-10026.	5.6	24
22	(p-cymene)Ruthenium(II)(diphenylphosphino)alkyne Complexes: Preparation of (1/4-Cl)(1/4-PPh <sub>2</sub> C≡CR)-Bridged Ru/Pt Heterobimetallic Complexes. <i>Organometallics</i> , 2004, 23, 4288-4300.	2.3	23
23	Six-Coordinate Alkynyl-diphenylphosphine Ruthenium(II) Complexes: Synthesis, Structure, and Catalytic Activity as ROMP Initiators. <i>Organometallics</i> , 2006, 25, 684-692.	2.3	23
24	Facile Single or Double C-H Bond Activation on 1,2-Platinum-Complexed Acetylenes by Interaction with [cis-PtR <sub>2</sub> S <sub>2</sub> ] and [cis-PtR <sub>2</sub> (CO)S] (R = C <sub>6</sub> F <sub>5</sub> , S = Thf). <i>Organometallics</i> , 2005, 24, 431-438.	2.3	22
25	Charge Photogeneration and Transport in AgBiS <sub>2</sub> Nanocrystal Films for Photovoltaics. <i>Solar Rrl</i> , 2019, 3, 1900075.	5.8	20
26	Electrical effects of metal nanoparticles embedded in ultra-thin colloidal quantum dot films. <i>Applied Physics Letters</i> , 2012, 101, 041103.	3.3	19
27	Coupling Resonant Modes of Embedded Dielectric Microspheres in Solution-Processed Solar Cells. <i>Advanced Optical Materials</i> , 2013, 1, 139-143.	7.3	15
28	Facile Single or Double C-H Bond Activation on a Cp* Ligand Promoted by the Presence of Alkynylphosphine Ligands. <i>Organometallics</i> , 2009, 28, 312-320.	2.3	14
29	Earth-abundant non-toxic perovskite nanocrystals for solution processed solar cells. <i>Materials Advances</i> , 2021, 2, 4140-4151.	5.4	14
30	Rearrangement or C-H Activation Processes Promoted by Reaction with the Solvate [cis-Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (thf) <sub>2</sub> ]. <i>Organometallics</i> , 2007, 26, 1161-1172.	2.3	13
31	Octahedral Alkynylphosphine Ruthenium(II) Complexes: Synthesis, Structure, and Electrochemistry. <i>Organometallics</i> , 2011, 30, 4665-4677.	2.3	9
32	C-H and P-C(Ph) activation competitive processes caused by interaction with the solvate [cis-Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (thf) <sub>2</sub> ]. <i>Dalton Transactions</i> , 2007, , 2384-2393.	3.3	8
33	Resonance energy transfer from PbS colloidal quantum dots to bulk silicon: the road to hybrid photovoltaics. , 2012, , .		7
34	Spectroscopic evidence of resonance energy transfer mechanism from PbS QDs to bulk silicon. <i>EPJ Web of Conferences</i> , 2013, 54, 01017.	0.3	4
35	Effect of oxidation temperature on the properties of NiOx layers for application in optical sensors. <i>Thin Solid Films</i> , 2021, 734, 138849.	1.8	3
36	Microresonators: Coupling Resonant Modes of Embedded Dielectric Microspheres in Solution-Processed Solar Cells (Advanced Optical Materials 2/2013). <i>Advanced Optical Materials</i> , 2013, 1, 194-194.	7.3	1

#	ARTICLE	IF	CITATIONS
37	Time-resolved spectroscopic study of resonant energy transfer between lead-sulphide quantum dots and bulk silicon. , 2015, , .		1
38	Bismuth-based nanomaterials for energy applications. , 2021, , 3-35.		0