

William Rodríguez-Cárdena

List of Publications by Year in descending order

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28
papers

1,905
citations

361413

20
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

3051
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Charge Separation and Long-Lived Charge Separated State in Photocatalytic CdS/Pt Nanorod Heterostructures. <i>Journal of the American Chemical Society</i> , 2012, 134, 10337-10340.	13.7	459
2	Wave Function Engineering for Efficient Extraction of up to Nineteen Electrons from One CdSe/CdS Quasi-Type II Quantum Dot. <i>Journal of the American Chemical Society</i> , 2012, 134, 4250-4257.	13.7	205
3	Strong Electronic Coupling and Ultrafast Electron Transfer between PbS Quantum Dots and TiO ₂ Nanocrystalline Films. <i>Nano Letters</i> , 2012, 12, 303-309.	9.1	130
4	In situ probe of photocarrier dynamics in water-splitting hematite (α-Fe ₂ O ₃) electrodes. <i>Energy and Environmental Science</i> , 2012, 5, 8923.	30.8	121
5	Excited State Intramolecular Proton Transfer in Schiff Bases. Decay of the Locally Excited Enol State Observed by Femtosecond Resolved Fluorescence. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6241-6247.	2.5	112
6	Ultrafast Charge Separation and Recombination Dynamics in Lead Sulfide Quantum Dot/Methylene Blue Complexes Probed by Electron and Hole Intraband Transitions. <i>Journal of the American Chemical Society</i> , 2011, 133, 9246-9249.	13.7	108
7	Electron Transfer Dynamics in Semiconductor/Chromophore/Polyoxometalate Catalyst Photoanodes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 918-926.	3.1	108
8	Multiple Exciton Generation and Dissociation in PbS Quantum Dot-Electron Acceptor Complexes. <i>Nano Letters</i> , 2012, 12, 4235-4241.	9.1	105
9	Synthesis and Characterization of a Metal-to-Polyoxometalate Charge Transfer Molecular Chromophore. <i>Journal of the American Chemical Society</i> , 2011, 133, 20134-20137.	13.7	81
10	Interfacial Charge Separation and Recombination in InP and Quasi-Type II InP/CdS Core/Shell Quantum Dot-Molecular Acceptor Complexes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 7561-7570.	2.5	76
11	Primary Photochemistry of Nitrated Aromatic Compounds: Excited-State Dynamics and NO [•] Dissociation from 9-Nitroanthracene. <i>Journal of Physical Chemistry A</i> , 2011, 115, 577-585.	2.5	58
12	Role of Upper Triplet States on the Photophysics of Nitrated Polyaromatic Compounds: S ₁ Lifetimes of Singly Nitrated Pyrenes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9782-9789.	2.5	55
13	Exciton Localization and Dissociation Dynamics in CdS and CdS/Pt Quantum Confined Nanorods: Effect of Nonuniform Rod Diameters. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14062-14069.	2.6	44
14	Ultrafast Vibrational Relaxation Dynamics of a Rhenium Bipyridyl CO ₂ Reduction Catalyst at a Au Electrode Surface Probed by Time-Resolved Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26377-26384.	3.1	35
15	Dynamics of the Formation of a Charge Transfer State in 1,2-Bis(9-anthryl)acetylene in Polar Solvents: Symmetry Reduction with the Participation of an Intramolecular Torsional Coordinate. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12175-12183.	2.6	31
16	Ultrafast Photosensitization of Phthalocyanines through Their Axial Ligands. <i>Journal of the American Chemical Society</i> , 2011, 133, 4698-4701.	13.7	30
17	Unravelling the solvent polarity effect on the excited state intramolecular proton transfer mechanism of the 1- and 2-salicylideneanthrylamine. A TD-DFT case study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 915-928.	2.8	25
18	An Inorganic Chromophore Based on a Molecular Oxide Supported Metal Carbonyl Cluster: [P ₂ W ₁₇ O ₆₁ {Re(CO) ₃ }{ORb(H ₂ O)}(¼ ₃ -OH)] ⁹⁻ . <i>Inorganic Chemistry</i> , 2013, 52, 13490-13495.	4.0	24

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19	Vibrational relaxation dynamics of catalysts on TiO ₂ Rutile (110) single crystal surfaces and anatase nanoporous thin films. <i>Chemical Physics</i> , 2013, 422, 264-271.	1.9	24
20	Excited state dynamics and photochemistry of nitroaromatic compounds. <i>Chemical Communications</i> , 2021, 57, 12218-12235.	4.1	24
21	A theoretical study of the photodynamics of salicylidene-2-anthrylamine in acetonitrile solution. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29399-29411.	2.8	10
22	Photoinduced Energy Transfer in Bichromophoric Pyrene-PPV Oligomer Systems: The Role of Flexible Donor-Acceptor Bridges. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3490-3503.	2.6	9
23	Ultrafast fluorescence study of the effect of carboxylic and carboxylate substituents on the excited state properties of anthracene. <i>Journal of Luminescence</i> , 2014, 145, 697-707.	3.1	9
24	Ultrafast Excited State Dynamics of Allopurinol, a Modified DNA Base. <i>Journal of Physical Chemistry A</i> , 2013, 117, 898-904.	2.5	6
25	Competitive One-Pot Reactions: Simultaneous Synthesis of Decahydroacridine-1,8-diones and 1,8-Dioxo-octahydroxanthenes and Photophysical Characterization. <i>Synthetic Communications</i> , 2014, 44, 648-659.	2.1	6
26	Controlling interfacial charge separation and recombination dynamics in QDs by wave function engineering. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
27	Synthesis, characterization, X-ray crystal structure and DFT calculations of 4-([2,2':6',2''-terpyridin]-) Tj ETQq1 1 0.784314 rgBT / Over 0.4	0.4	1
28	Absorption and Emission Spectra of Anthracene-9-Carboxylic Acid in Solution Within the Polarizable Continuum Model. <i>Advances in Quantum Chemistry</i> , 2016, 72, 61-94.	0.8	2