

Cristina Martin

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,624
citations

361045

20
h-index

301761

39
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49
all docs

49
docs citations

49
times ranked

2695
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal unequilibrium of strained black CsPbI ₃ thin films. <i>Science</i> , 2019, 365, 679-684.	6.0	444
2	Photophysical Pathways in Highly Sensitive Cs ₂ AgBiBr ₆ Double-Perovskite Single-Crystal X-Ray Detectors. <i>Advanced Materials</i> , 2018, 30, e1804450.	11.1	173
3	Ultrafast and fast charge separation processes in real dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 26, 1-30.	5.6	92
4	Tuning the Structural and Optoelectronic Properties of Cs ₂ AgBiBr ₆ Double-Perovskite Single Crystals through Alkali-Metal Substitution. <i>Advanced Materials</i> , 2020, 32, e2001878.	11.1	72
5	Proton-Transfer Reaction Dynamics within the Human Serum Albumin Protein. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7637-7647.	1.2	71
6	Interfacial Electron Transfer Dynamics in a Solar Cell Organic Dye Anchored to Semiconductor Particle and Aluminum-Doped Mesoporous Materials. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23183-23191.	1.5	45
7	New OLEDs Based on Zirconium Metal-Organic Framework. <i>Advanced Optical Materials</i> , 2018, 6, 1701060.	3.6	42
8	Complete Photodynamics of the Efficient YD2-o-C8-Based Solar Cell. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29674-29687.	1.5	35
9	Stability and Photodynamics of Lumichrome Structures in Water at Different pHs and in Chemical and Biological Caging Media. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2424-2435.	1.2	32
10	Electroluminescent Guest@MOF Nanoparticles for Thin Film Optoelectronics and Solid-State Lighting. <i>Advanced Optical Materials</i> , 2020, 8, 2000670.	3.6	31
11	Silver Zeolite Composites-Based LEDs: A Novel Solid-State Lighting Approach. <i>Advanced Functional Materials</i> , 2017, 27, 1606411.	7.8	30
12	Ultrafast Photodynamics of Drugs in Nanocavities: Cyclodextrins and Human Serum Albumin Protein. <i>Langmuir</i> , 2012, 28, 6746-6759.	1.6	29
13	Single Dye Molecule Behavior in Fluorescent Core-Shell Silica Nanoparticles. <i>Chemistry of Materials</i> , 2012, 24, 361-372.	3.2	29
14	Single and multistep energy transfer processes within doped polymer nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1241-1252.	1.6	28
15	Highly luminescent silver-based MOFs: Scalable eco-friendly synthesis paving the way for photonics sensors and electroluminescent devices. <i>Applied Materials Today</i> , 2020, 21, 100817.	2.3	28
16	Single-Step Synthesis of Dual Phase Bright Blue-Green Emitting Lead Halide Perovskite Nanocrystal Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 6824-6832.	3.2	26
17	Virtues and Vices of an Organic Dye and Ti-Doped MCM-41 Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23642-23650.	1.5	25
18	Effect of Electrolyte Composition on Electron Injection and Dye Regeneration Dynamics in Complete Organic Dye Sensitized Solar Cells Probed by Time-Resolved Laser Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26227-26238.	1.5	25

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19	Iodide mediated reductive decomposition of diazonium salts: towards mild and efficient covalent functionalization of surface-supported graphene. <i>Nanoscale</i> , 2020, 12, 11916-11926.	2.8	25
20	Chemical and Biological Caging Effects on the Relaxation of a Proton-Transfer Dye. <i>Langmuir</i> , 2008, 24, 10352-10357.	1.6	21
21	Ultrafast Dynamics of Nile Red Interacting with Metal Doped Mesoporous Materials. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13283-13296.	1.5	20
22	The role of water and influence of hydrogen bonding on the self-assembly aggregation induced emission of an anthracene-guanidine-derivative. <i>Chemical Communications</i> , 2020, 56, 4102-4105.	2.2	19
23	Interrogating Confined Proton-Transfer Reaction Dynamics within Mesoporous Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6311-6317.	1.5	18
24	Luminescent silver-lithium-zeolite phosphors for near-ultraviolet LED applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14366-14374.	2.7	17
25	Concentration-in-Control self-assembly concept at the liquid-solid interface challenged. <i>Chemical Science</i> , 2021, 12, 13167-13176.	3.7	16
26	Self-Assembling Azaindole Organogel for Organic Light-Emitting Devices (OLEDs). <i>Advanced Functional Materials</i> , 2017, 27, 1702176.	7.8	15
27	Silver Zeolite Composite-Based LEDs: Origin of Electroluminescence and Charge Transport. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12179-12183.	4.0	14
28	Anatomy of On-Surface Synthesized Boroxine Two-Dimensional Polymers. <i>ACS Nano</i> , 2020, 14, 2354-2365.	7.3	14
29	Confined Photodynamics of an Organic Dye for Solar Cells Encapsulated in Titanium-Doped Mesoporous Molecular Materials. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8858-8867.	1.5	13
30	5,10-Dihydrobenzo[<i>a</i>]indolo[2,3- <i>c</i>]carbazoles as Novel OLED Emitters. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1400-1411.	1.2	13
31	Long-lived highly emissive MOFs as potential candidates for multiphotonic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15463-15469.	2.7	13
32	Single molecule photobehavior of a chromophore interacting with silica-based nanomaterials. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1819.	1.3	12
33	Ultrafast Dynamics of C30 in Solution and within CDs and HSA Protein. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5760-5771.	1.2	12
34	Unraveling the ultrafast behavior of nile red interacting with aluminum and titanium co-doped MCM41 materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2152-2163.	1.3	12
35	Femto-to nanosecond photodynamics of Nile Red in metal-ion exchanged faujasites. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 214-226.	2.2	12
36	Novel Fluorescence Guanidine Molecules for Selective Sulfate Anion Detection in Water Complex Samples over a Wide pH Range. <i>ACS Sensors</i> , 2021, 6, 3224-3233.	4.0	10

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37	Simple Donor–Acceptor Luminogen Based on an Azaindole Derivative as Solid-State Emitter for Organic Light-Emitting Devices. <i>ACS Energy Letters</i> , 2017, 2, 2653-2658.	8.8	9
38	Promising Molecules for Optoelectronic Applications: Synthesis of 5,10-Dihydrobenzo[<i>a</i>]indolo[2,3- <i>c</i>]carbazoles by Scholl Reaction of 1,2-Bis(indol-2-yl)benzenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4683-4688.	1.2	9
39	Bipolar luminescent azaindole derivative exhibiting aggregation-induced emission for non-doped organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1222-1227.	2.7	9
40	Tunable white emission of silver-sulfur-zeolites as single-phase LED phosphors. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024004.	1.1	9
41	Dynamical and Structural Changes of an Anesthetic Analogue in Chemical and Biological Nanocavities. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13641-13647.	1.2	8
42	Femtosecond Dynamics and Photoconversion of a H-Bonded Dye within Mesoporous Silicate Materials. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14687-14697.	1.5	8
43	Perovskite-Based Devices: Photophysical Pathways in Highly Sensitive Cs ₂ AgBiBr ₆ Double-Perovskite Single-Crystal X-Ray Detectors (<i>Adv. Mater.</i> 46/2018). <i>Advanced Materials</i> , 2018, 30, 1870353.	11.1	8
44	Location and freedom of single and double guest in dye-doped polymer nanoparticles. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1580-1589.	1.6	7
45	Metal–biomolecule frameworks (BioMOFs): a novel approach for “green” optoelectronic applications. <i>Chemical Communications</i> , 2022, 58, 677-680.	2.2	7
46	Linear assembly of lead bromide-based nanoparticles inside lead(<i>scp</i>) polymers prepared by mixing the precursors of both the nanoparticle and the polymer. <i>Chemical Communications</i> , 2019, 55, 2968-2971.	2.2	6
47	Intramolecular charge transfer and molecular flexibility: Key parameters to be considered in the design of highly fluorescent p-phenylene vinylene derivatives. <i>Dyes and Pigments</i> , 2022, 199, 110105.	2.0	5