

Eduardo Coutino-Gonzalez

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,897
citations

257450

24
h-index

254184

43
g-index

52
all docs

52
docs citations

52
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic biomolecule frameworks (BioMOFs): a novel approach for green optoelectronic applications. <i>Chemical Communications</i> , 2022, 58, 677-680.	4.1	7
2	Mixed Matrix Membranes Based on Fluoropolymers with <i>m</i> - and <i>p</i> -Terphenyl Fragments for Gas Separation Applications. <i>ACS Omega</i> , 2021, 6, 4921-4931.	3.5	8
3	Lead confinement and fluorimetric detection using zeolites: towards a rapid and cost-effective detection of lead in water. <i>JPhys Photonics</i> , 2021, 3, 034003.	4.6	0
4	Tunable Luminescence from Stable Silver Nanoclusters Confined in Microporous Zeolites. <i>Advanced Optical Materials</i> , 2021, 9, 2100526.	7.3	12
5	Electrochemical study in acid aqueous solution and ex-situ X-ray photoelectron spectroscopy analysis of metallic rhenium surface. <i>Journal of Electroanalytical Chemistry</i> , 2021, 893, 115297.	3.8	4
6	Optical encoding of luminescent carbon nanodots in confined spaces. <i>Chemical Communications</i> , 2021, 57, 11952-11955.	4.1	1
7	Tailoring the detection sensitivity of graphene based flexible smoke sensors by decorating with ceramic microparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127466.	7.8	16
8	Enhanced Luminescence and Mechanistic Studies on Layered Double-Perovskite Phosphors: Cs ₄ Cd _{1-x} Mn _x Bi ₂ Cl ₁₂ . <i>Chemistry of Materials</i> , 2020, 32, 9307-9315.	6.7	43
9	Highly Luminescent Metal Clusters Confined in Zeolites. <i>Structure and Bonding</i> , 2020, , 75-103.	1.0	5
10	Efficient Emission in Halide Layered Double Perovskites: The Role of Sb ³⁺ Substitution in Cs ₄ Cd _{1-x} Mn _x Bi ₂ Cl ₁₂ Phosphors. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10362-10367.	4.6	26
11	X-Ray-Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. <i>Small</i> , 2020, 16, e2002063.	10.0	14
12	Efficient hydrogen generation by ZnAl ₂ O ₄ nanoparticles embedded on a flexible graphene composite. <i>Renewable Energy</i> , 2020, 152, 634-643.	8.9	15
13	Tunable white emission of silver-sulfur-zeolites as single-phase LED phosphors. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024004.	2.3	9
14	Hydrogen evolution reaction on metallic rhenium in acid media with or without methanol. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27472-27482.	7.1	17
15	Silver Zeolite Composite-Based LEDs: Origin of Electroluminescence and Charge Transport. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12179-12183.	8.0	14
16	Structural and Photophysical Characterization of Ag Clusters in LTA Zeolites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10630-10638.	3.1	25
17	The Roles of the Structure and Basic Sites of Sodium Titanates on Transesterification Reactions to Obtain Biodiesel. <i>Catalysts</i> , 2019, 9, 989.	3.5	1
18	Luminescent silver-lithium-zeolite phosphors for near-ultraviolet LED applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14366-14374.	5.5	17

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19	Synthesis of MCM-41 material from acid mud generated in the aluminum extraction of kaolinite mineral. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13069.	2.3	2
20	Confinement of Highly Luminescent Lead Clusters in Zeolite A. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13953-13961.	3.1	24
21	Photocatalytic Hydrogen Evolution by Flexible Graphene Composites Decorated with Ni(OH) ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1477-1485.	3.1	30
22	Porous Materials Obtained from Nonconventional Sources Used in Wastewater Treatment Processes. , 2018, , 1-20.		1
23	Highly efficient hydrogen generation of BiI ₃ nanoplates decorated with Ag nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15962-15974.	7.1	10
24	Highly Photoluminescent Sulfide Clusters Confined in Zeolites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14761-14770.	3.1	13
25	Shaping the Optical Properties of Silver Clusters Inside Zeolite A via Guest-Host-Guest Interactions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5344-5350.	4.6	28
26	Origin of the bright photoluminescence of few-atom silver clusters confined in LTA zeolites. <i>Science</i> , 2018, 361, 686-690.	12.6	134
27	Atomic scale reversible opto-structural switching of few atom luminescent silver clusters confined in LTA zeolites. <i>Nanoscale</i> , 2018, 10, 11467-11476.	5.6	40
28	Silver Zeolite Composites-Based LEDs: A Novel Solid-State Lighting Approach. <i>Advanced Functional Materials</i> , 2017, 27, 1606411.	14.9	30
29	Form Follows Function: Warming White LEDs Using Metal Cluster-Loaded Zeolites as Phosphors. <i>ACS Energy Letters</i> , 2017, 2, 2491-2497.	17.4	25
30	Silver Clusters in Zeolites: From Self-Assembly to Ground-Breaking Luminescent Properties. <i>Accounts of Chemical Research</i> , 2017, 50, 2353-2361.	15.6	72
31	Optically Active Materials: Aggregation Induced Enhancement of Linear and Nonlinear Optical Emission from a Hexaphenylene Derivative (<i>Adv. Funct. Mater.</i> 48/2016). <i>Advanced Functional Materials</i> , 2016, 26, 9083-9083.	14.9	0
32	Silver-induced reconstruction of an adeninate-based metal-organic framework for encapsulation of luminescent adenine-stabilized silver clusters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4259-4268.	5.5	22
33	Aggregation Induced Enhancement of Linear and Nonlinear Optical Emission from a Hexaphenylene Derivative. <i>Advanced Functional Materials</i> , 2016, 26, 8968-8977.	14.9	77
34	Direct Observation of Luminescent Silver Clusters Confined in Faujasite Zeolites. <i>ACS Nano</i> , 2016, 10, 7604-7611.	14.6	58
35	Nanostructured Ag-zeolite Composites as Luminescence-based Humidity Sensors. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	4
36	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , 2016, 15, 1017-1022.	27.5	153

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37	Controlling Microsized Polymorphic Architectures with Distinct Linear and Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2015, 3, 948-956.	7.3	39
38	Thermally activated LTA(Li)-Ag zeolites with water-responsive photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11857-11867.	5.5	70
39	Improved Spectral Coverage and Fluorescence Quenching in Donor-acceptor Systems Involving Indolo[3,2-b]carbazole and Boron-dipyrromethene or Diketopyrrolopyrrole. <i>Photochemistry and Photobiology</i> , 2015, 91, 637-653.	2.5	19
40	The pH-dependent photoluminescence of colloidal CdSe/ZnS quantum dots with different organic coatings. <i>Nanotechnology</i> , 2015, 26, 255703.	2.6	25
41	Absolute determination of photoluminescence quantum efficiency using an integrating sphere setup. <i>Review of Scientific Instruments</i> , 2014, 85, 123115.	1.3	96
42	X-ray irradiation-induced formation of luminescent silver clusters in nanoporous matrices. <i>Chemical Communications</i> , 2014, 50, 1350-1352.	4.1	49
43	Triplet harvesting in poly(9-vinylcarbazole) and poly(9-(2,3-epoxypropyl)carbazole) doped with CdSe/ZnS quantum dots encapsulated with 16-(N-carbazoyl) hexadecanoic acid ligands. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 539-551.	2.1	3
44	Fabrication of silver nanoparticles with limited size distribution on TiO ₂ containing zeolites. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18690-18693.	2.8	18
45	Determination and Optimization of the Luminescence External Quantum Efficiency of Silver-Clusters Zeolite Composites. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6998-7004.	3.1	64
46	Self-Assembled Organic Microfibers for Nonlinear Optics. <i>Advanced Materials</i> , 2013, 25, 2084-2089.	21.0	119
47	In Situ Observation of the Emission Characteristics of Zeolite-Hosted Silver Species During Heat Treatment. <i>ChemPhysChem</i> , 2010, 11, 1627-1631.	2.1	52
48	Optical Encoding of Silver Zeolite Microcarriers. <i>Advanced Materials</i> , 2010, 22, 957-960.	21.0	115
49	The earthworm <i>Eisenia fetida</i> accelerates the removal of anthracene and 9, 10-anthraquinone, the most abundant degradation product, in soil. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 525-529.	3.9	31
50	Synthesis and photophysical characterization of chalcogen substituted BODIPY dyes. <i>New Journal of Chemistry</i> , 2009, 33, 1490.	2.8	69
51	Characterization of Fluorescence in Heat-Treated Silver-Exchanged Zeolites. <i>Journal of the American Chemical Society</i> , 2009, 131, 3049-3056.	13.7	170