

Maria Amela-Cortes

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

636
citations

623734

14
h-index

580821

25
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25
all docs

25
docs citations

25
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of polyurea networks containing anticancer and anti-inflammatory drugs for dual drug delivery purposes. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51970.	2.6	9
2	Nanoarchitectonics of Glass Coatings for Near-Infrared Shielding: From Solid-State Cluster-Based Niobium Chlorides to the Shaping of Nanocomposite Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21116-21130.	8.0	4
3	Facile and scalable design of light-emitting and ROS-generating hybrid materials made of polyurea gels embedding a molybdenum cluster-based salt. <i>Dalton Transactions</i> , 2021, 50, 8907-8916.	3.3	4
4	Poly(dimethylsiloxane) functionalized with complementary organic and inorganic emitters for the design of white emissive waveguides. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7094-7102.	5.5	7
5	Expanding the Toolbox of Octahedral Molybdenum Clusters and Nanocomposites Made Thereof: Evidence of Two-Photon Absorption Induced NIR Emission and Singlet Oxygen Production. <i>Inorganic Chemistry</i> , 2021, 60, 5446-5451.	4.0	13
6	Self-erasable inkless imprinting using a dual emitting hybrid organic-inorganic material. <i>Materials Today</i> , 2020, 35, 34-41.	14.2	21
7	From supramolecular to solid state chemistry: crystal engineering of luminescent materials by trapping molecular clusters in an aluminium-based host matrix. <i>Materials Horizons</i> , 2020, 7, 2399-2406.	12.2	17
8	Switchable Two-Dimensional Waveguiding Abilities of Luminescent Hybrid Nanocomposites for Active Solar Concentrators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14400-14407.	8.0	26
9	Supramolecular Anchoring of Octahedral Molybdenum Clusters onto Graphene and Their Synergies in Photocatalytic Water Reduction. <i>Inorganic Chemistry</i> , 2019, 58, 15443-15454.	4.0	34
10	Transparent functional nanocomposite films based on octahedral metal clusters: synthesis by electrophoretic deposition process and characterization. <i>Royal Society Open Science</i> , 2019, 6, 181647.	2.4	13
11	When a Red-NIR Emissive Cs ₂ [Mo ₆ Br ₁₄] Interacts with an Active Diureasil-PEO Matrix: Design of Tunable and White-Light-Emitting Hybrid Material. <i>Chemistry - A European Journal</i> , 2019, 25, 15248-15251.	3.3	10
12	Direct Integration of Red-NIR Emissive Ceramic-like A _n M ₆ X ₈ X _a ₆ Metal Cluster Salts in Organic Copolymers Using Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 4825-4829.	3.3	20
13	Tailoring the self-assembling abilities of functional hybrid nanomaterials: from rod-like to disk-like clustomesogens based on a luminescent {Mo ₆ Br ₈ } ⁴⁺ inorganic cluster core. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2556-2564.	5.5	6
14	Low dimensional solids based on Mo ₆ cluster cyanides and Mn ²⁺ , Mn ³⁺ or Cd ²⁺ metal ions: crystal chemistry, magnetic and optical properties. <i>CrystEngComm</i> , 2018, 20, 3396-3408.	2.6	8
15	Metal Atom Clusters as Building Blocks for Multifunctional Proton-Conducting Materials: Theoretical and Experimental Characterization. <i>Inorganic Chemistry</i> , 2018, 57, 9814-9825.	4.0	10
16	Lord of The Crowns: A New Precious in the Kingdom of Clustomesogens. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11692-11696.	13.8	20
17	Mo ₆ cluster-based compounds for energy conversion applications: comparative study of photoluminescence and cathodoluminescence. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 458-466.	6.1	37
18	Versatility of the ionic assembling method to design highly luminescent PMMA nanocomposites containing [M ₆ Q ₈ L ₆] ⁿ⁺ octahedral nano-building blocks. <i>Dalton Transactions</i> , 2016, 45, 237-245.	3.3	53

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19	Facile design of red-emitting waveguides using hybrid nanocomposites made of inorganic clusters dispersed in SU8 photoresist host. <i>Optical Materials</i> , 2016, 52, 196-202.	3.6	14
20	Polarized Phosphorescence of Isotropic and Metal-Based Clustomesogens Dispersed into Chiral Nematic Liquid Crystalline Films. <i>Advanced Optical Materials</i> , 2015, 3, 1368-1372.	7.3	17
21	Design and Integration in Electro-Optic Devices of Highly Efficient and Robust Red-NIR Phosphorescent Nematic Hybrid Liquid Crystals Containing $[\text{Mo}_6\text{I}_8(\text{OCOC})_n\text{F}_{2n+1}]_2\text{a}^{-14,9}$ ($n = 1, 2, 3$) Nanoclusters. <i>Advanced Functional Materials</i> , 2015, 25, 4966-4975.	14.9	43
22	Tuned red NIR phosphorescence of polyurethane hybrid composites embedding metallic nanoclusters for oxygen sensing. <i>Chemical Communications</i> , 2015, 51, 8177-8180.	4.1	66
23	Epoxy Based Ink as Versatile Material for Inkjet-Printed Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21975-21984.	8.0	60
24	Deep red luminescent hybrid copolymer materials with high transition metal cluster content. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1545-1552.	5.5	52
25	Ionically Self-Assembled Clustomesogen with Switchable Magnetic/Luminescence Properties Containing $[\text{Re}_6\text{Se}_8(\text{CN})_6]_n^+$ ($n = 3, 4$) Anionic Clusters. <i>Chemistry of Materials</i> , 2011, 23, 5122-5130.	6.7	72