

Maria Amela-Cortes

List of Publications by Year in descending order

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25
papers

636
citations

623188

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h-index

580395

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25
docs citations

25
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic Self-Assembled Clustomesogen with Switchable Magnetic/Luminescence Properties Containing [Re ₆ Se ₈ (CN) ₆] ⁿ⁺ (n = 3, 4) Anionic Clusters. <i>Chemistry of Materials</i> , 2011, 23, 5122-5130.	3.2	72
2	Tuned red NIR phosphorescence of polyurethane hybrid composites embedding metallic nanoclusters for oxygen sensing. <i>Chemical Communications</i> , 2015, 51, 8177-8180.	2.2	66
3	Epoxy Based Ink as Versatile Material for Inkjet-Printed Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21975-21984.	4.0	60
4	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.	1.6	53
5	Deep red luminescent hybrid copolymer materials with high transition metal cluster content. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1545-1552.	2.7	52
6	Design and Integration in Electro-Optic Devices of Highly Efficient and Robust Red-NIR Phosphorescent Nematic Hybrid Liquid Crystals Containing [Mo ₆ l ₈ (OCOC _n) ₂ F ₂] ²⁺ (n = 1, 2, 3) Nanoclusters. <i>Advanced Functional Materials</i> , 2015, 25, 4966-4975.	7.8	43
7	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.	2.8	37
8	Supramolecular Anchoring of Octahedral Molybdenum Clusters onto Graphene and Their Synergies in Photocatalytic Water Reduction. <i>Inorganic Chemistry</i> , 2019, 58, 15443-15454.	1.9	34
9	Switchable Two-Dimensional Waveguiding Abilities of Luminescent Hybrid Nanocomposites for Active Solar Concentrators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14400-14407.	4.0	26
10	Self-erasable inkless imprinting using a dual emitting hybrid organic-inorganic material. <i>Materials Today</i> , 2020, 35, 34-41.	8.3	21
11	Direct Integration of Red-NIR Emissive Ceramic-like A _n M ₆ X ₈ X ₆ Metal Cluster Salts in Organic Copolymers Using Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 4825-4829.	1.7	20
12	Lord of The Crowns: A New Precious in the Kingdom of Clustomesogens. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11692-11696.	7.2	20
13	Polarized Phosphorescence of Isotropic and Metal-Based Clustomesogens Dispersed into Chiral Nematic Liquid Crystalline Films. <i>Advanced Optical Materials</i> , 2015, 3, 1368-1372.	3.6	17
14	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.	6.4	17
15	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.	1.7	14
16	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.	1.1	13
17	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.	1.9	13
18	Metal Atom Clusters as Building Blocks for Multifunctional Proton-Conducting Materials: Theoretical and Experimental Characterization. <i>Inorganic Chemistry</i> , 2018, 57, 9814-9825.	1.9	10

#	ARTICLE	IF	CITATIONS
19	When a Redâ€NIRâ€Emissive Cs ₂ [Mo ₆ Br ₁₄] Interacts with an Active Diureticâ€PEO Matrix: Design of Tunable and Whiteâ€Lightâ€Emitting Hybrid Material. Chemistry - A European Journal, 2019, 25, 15248-15251.	1.7	10
20	Design of polyurea networks containing anticancer and antiâ€inflammatory drugs for dual drug delivery purposes. Journal of Applied Polymer Science, 2022, 139, 51970.	1.3	9
21	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. CrystEngComm, 2018, 20, 3396-3408.	1.3	8
22	Poly(dimethylsiloxane) functionalized with complementary organic and inorganic emitters for the design of white emissive waveguides. Journal of Materials Chemistry C, 2021, 9, 7094-7102.	2.7	7
23	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. Journal of Materials Chemistry C, 2018, 6, 2556-2564.	2.7	6
24	Facile and scalable design of light-emitting and ROS-generating hybrid materials made of polyurea gels embedding a molybdenum cluster-based salt. Dalton Transactions, 2021, 50, 8907-8916.	1.6	4
25	Nanoarchitectonics of Glass Coatings for Near-Infrared Shielding: From Solid-State Cluster-Based Niobium Chlorides to the Shaping of Nanocomposite Films. ACS Applied Materials & Interfaces, 2022, 14, 21116-21130.	4.0	4