Ermelinda M S MaÃ§Ã´as

List of Publications by Year
in descending order

70 papers	2,737 citations	172457 29 h-index	182427 51 g-index
72 all docs	72 docs citations	72 times ranked	2682 citing authors

#	Article	IF	Citations
1	A Fluorescent Nanosensor for Silver (Ag+) and Mercury (Hg2+) Ions Using Eu (III)-Doped Carbon Dots. Nanomaterials, 2022, 12, 385.	4.1	11
2	Combining metal nanoclusters and carbon nanomaterials: Opportunities and challenges in advanced nanohybrids. Advances in Colloid and Interface Science, 2022, 304, 102667.	14.7	16
3	Graphene Quantum Dots and Phthalocyanines Turn-OFF-ON Photoluminescence Nanosensor for ds-DNA. Nanomaterials, 2022, 12, 1892.	4.1	4
4	Aggregation of coronene: the effect of carboxyl and amine functional groups. Physical Chemistry Chemical Physics, 2021, 23, 1500-1509.	2.8	2
5	New triazine bridged triads based on BODIPY-porphyrin systems: Extended absorption, efficient energy transfer and upconverted emission. Dyes and Pigments, 2021, 187, 109137.	3.7	4
6	Lithium fluoride detectors for high spatial resolution imaging of tabletop XUV from high harmonic generation in gases. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2234.	2.1	4
7	Reflectance Confocal Microscopy: A Powerful Tool for Large Scale Characterization of Ordered/Disordered Morphology in Colloidal Photonic Structures. ACS Nano, 2021, 15, 11779-11788.	14.6	9
8	Investigation of the mechanical properties and biocompatibility of planar and electrospun alkene-styrene copolymers against P(VDF-TrFE) and porcine skin: Potential use as second skin substrates. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 119, 104481.	3.1	4
9	Organic Single Crystal Patterning Method for Micrometric Photosensors. Advanced Functional Materials, 2021, 31, 2105638.	14.9	8
10	Two-photon absorption of perylene-3,4,9,10-tetracarboxylic acid diimides: Effect of substituents in the bay. Dyes and Pigments, 2021, 193, 109470.	3.7	12
11	Two-photon activated precision molecular photosensitizer targeting mitochondria. Communications Chemistry, 2021, 4, .	4.5	7
12	Enhanced Photodynamic Therapy Effects of Graphene Quantum Dots Conjugated with Aminoporphyrins. ACS Applied Nano Materials, 2021, 4, 13079-13089.	5.0	17
13	InnenrÃ¼cktitelbild: Twoâ€Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons (Angew. Chem. 18/2020). Angewandte Chemie, 2020, 132, 7338-7338.	2.0	0
14	On the growth and mechanical properties of nanostructured cobalt foams by dynamic hydrogen bubble template electrodeposition. Materials Characterization, 2020, 169, 110598.	4.4	9
15	Twoâ€Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons. Angewandte Chemie, 2020, 132, 7205-7211.	2.0	20
16	Twoâ€Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons. Angewandte Chemie - International Edition, 2020, 59, 7139-7145.	13.8	76
17	Simple Perylene Diimide Cyclohexane Derivative With Combined CPL and TPA Properties. Frontiers in Chemistry, 2020, 8, 306.	3.6	15
18	Novel hybrids based on graphene quantum dots covalently linked to glycol corroles for multiphoton bioimaging. Carbon, 2020, 166, 164-174.	10.3	39

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19	Structural color and rheology of self-assembled poly(N-isopropylacrylamide-methacrylic acid) microgels in water. European Polymer Journal, 2019, 113, 349-356.	5.4	7
20	A Triskelionâ€Shaped Saddleâ€“Helix Hybrid Nanographene. Angewandte Chemie - International Edition, 2019, 58, 8068-8072.	13.8	105
21	A Triskelionâ€Shaped Saddleâ€“Helix Hybrid Nanographene. Angewandte Chemie, 2019, 131, 8152-8156.	2.0	47
22	Combining Defects in a Single Nanographene: A Fully Helical Saddle Ribbon. Synlett, 2019, 30, 997-1002.	1.8	14
23	Aggregation-induced emission of [3]cumulenes functionalized with heptagon-containing polyphenylenes. Chemical Communications, 2018, 54, 3359-3362.	4.1	17
24	Porphyrin-Oligopyridine Triads: Synthesis and Optical Properties. Journal of Organic Chemistry, 2018, 83, 5282-5287.	3.2	6
25	Biocompatible hybrids based on nanographene oxide covalently linked to glycolporphyrins: Synthesis, characterization and biological evaluation. Carbon, 2018, 135, 202-214.	10.3	21
26	Enantiopure distorted ribbon-shaped nanographene combining two-photon absorption-based upconversion and circularly polarized luminescence. Chemical Science, 2018, 9, 3917-3924.	7.4	132
27	Bioinspired water-soluble two-photon fluorophores. Dyes and Pigments, 2018, 150, 105-111.	3.7	27
28	Selective two-photon absorption in carbon dots: a piece of the photoluminescence emission puzzle. Nanoscale, 2018, 10, 12505-12514.	5.6	40
29	Undecabenzo[7]superhelicene: A Helical Nanographene Ribbon as a Circularly Polarized Luminescence Emitter. Angewandte Chemie - International Edition, 2018, 57, 14782-14786.	13.8	193
30	Undecabenzo[7]superhelicene: A Helical Nanographene Ribbon as a Circularly Polarized Luminescence Emitter. Angewandte Chemie, 2018, 130, 14998-15002.	2.0	82
31	Cryptolepine and quindoline: understanding their photophysics. Physical Chemistry Chemical Physics, 2017, 19, 10255-10263.	2.8	7
32	Single-crystal charge transfer interfaces for efficient photonic devices (Conference Presentation). , 2016, , .		0
33	Stability and safety of quercetin-loaded cationic nanoemulsion: In vitro and in vivo assessments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 591-599.	4.7	30
34	Effect of Molecular Stacking on Exciton Diffusion in Crystalline Organic Semiconductors. Journal of the American Chemical Society, 2015, 137, 7104-7110.	13.7	37
35	Role of Vibrational Dynamics in Electronic Relaxation of Cr(acac)3. Journal of Physical Chemistry A, 2015, 119, 2727-2734.	2.5	14
36	A 1,3,5-triazine based polymer as a nonlinear near-infrared antenna for two-photon activated volumetric optical memory devices. Journal of Materials Chemistry C, 2015, 3, 10775-10782.	5.5	15

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37	Impact of Molecular Organization on Exciton Diffusion in Photosensitive Single-Crystal Halogenated Perylenediimides Charge Transfer Interfaces. ACS Applied Materials & Interfaces, 2015, 7, 27720-27729.	8.0	8
38	Nonlinear Emission of Quinolizinium-Based Dyes with Application in Fluorescence Lifetime Imaging. Journal of Physical Chemistry A, 2015, 119, 2351-2362.	2.5	33
39	â€œClick and goâ€• simple and fast folic acid conjugation. Organic and Biomolecular Chemistry, 2014, 12, 3181-3190.	2.8	45
40	Enhanced conductivity and photoresponse at a rubrene single-crystalâ€“PCBM film interface. Journal of Materials Chemistry C, 2014, 2, 3639-3644.	5.5	15
41	New Kind of Hyperbranched Conjugated Polymers Containing Alkyl-Modified 2,4,6-Tris(thiophen-2-yl)-1,3,5-triazine Unit for Enhancing Two-Photon Absorption. Macromolecules, 2014, 47, 6679-6686.	4.8	17
42	Molecular architecture effects in two-photon absorption: from octupolar molecules to polymers and hybrid polymer nanoparticles based on 1,3,5-triazine. Journal of Materials Chemistry B, 2013, 1, 2169.	5.8	20
43	Unsaturated oxazolones as nonlinear fluorophores. Dyes and Pigments, 2013, 99, 642-652.	3.7	25
44	Excited-State Proton Transfer of Fluorescein Anion as an Ionic Liquid Component. Journal of Physical Chemistry B, 2013, 117, 14108-14114.	2.6	12
45	Interaction of toremifene with dipalmitoyl-phosphatidyl-glycerol in monolayers at the airâ€“water interface followed by fluorescence microscopy in Langmuirâ€“Blodgett films. Thin Solid Films, 2013, 534, 584-590.	1.8	5
46	Photoconductive response in organic charge transfer interfaces with high quantum efficiency. Nature Communications, 2013, 4, 1842.	12.8	72
47	Symmetrical and unsymmetrical multibranched Dâ€“Ï€â€“A molecules based on 1,3,5-triazine unit: synthesis and photophysical properties. Journal of Materials Chemistry, 2012, 22, 16781.	6.7	23
48	Two-photon absorption properties of pushâ€“pull oxazolones derivatives. Dyes and Pigments, 2012, 95, 713-722.	3.7	49
49	A V-shaped cationic dye for nonlinear optical bioimaging. Chemical Communications, 2011, 47, 7374.	4.1	64
50	Synthesis and photophysical properties of hyperbranched polyfluorenes containing 2,4,6-tris(thiophen-2-yl)-1,3,5-triazine as the core. Physical Chemistry Chemical Physics, 2011, 13, 8838.	2.8	26
51	Vibrational Relaxation of Matrix-Isolated Carboxylic Acid Dimers and Monomers. Journal of Physical Chemistry A, 2009, 113, 7227-7234.	2.5	21
52	Relaxation Dynamics of Cr(acac)3Probed by Ultrafast Infrared Spectroscopy. Journal of the American Chemical Society, 2007, 129, 8934-8935.	13.7	17
53	Ultrafast Electronic and Vibrational Energy Relaxation of Fe(acetylacetonate)3 in Solution. Journal of Physical Chemistry A, 2007, 111, 2054-2061.	2.5	24
54	Internal Rotation in Propionic Acid:Â Near-Infrared-Induced Isomerization in Solid Argon. Journal of Physical Chemistry A, 2005, 109, 3617-3625.	2.5	72

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55	Rotational isomerization of small carboxylic acids isolated in argon matrices: Tunnelling and quantum yields for the photoinduced processes. Physical Chemistry Chemical Physics, 2005, 7, 743-749.	2.8	66
56	Rotational isomerism of acetic acid isolated in rare-gas matrices: Effect of medium and isotopic substitution on IR-induced isomerization quantum yield and cisâ†'trans tunneling rate. Journal of Chemical Physics, 2004, 121, 1331-1338.	3.0	86
57	Infrared-induced conformational interconversion in carboxylic acids isolated in low-temperature rare-gas matrices. Vibrational Spectroscopy, 2004, 34, 73-82.	2.2	42
58	Photochemistry and Vibrational Spectroscopy of the Trans and Cis Conformers of Acetic Acid in Solid Ar. Journal of Physical Chemistry A, 2004, 108, 3380-3389.	2.5	78
59	Vibrational spectroscopy of cis- and trans-formic acid in solid argon. Journal of Molecular Spectroscopy, 2003, 219, 70-80.	1.2	112
60	Rotational Isomerism in Acetic Acid:Â The First Experimental Observation of the High-Energy Conformer. Journal of the American Chemical Society, 2003, 125, 16188-16189.	13.7	119
61	Conformational Isomerization of Formic Acid by Vibrational Excitation at Energies below the Torsional Barrier. Journal of the American Chemical Society, 2003, 125, 4058-4059.	13.7	83
62	Reactive vibrational excitation spectroscopy of formic acid in solid argon: Quantum yield for infrared inducedtransâ†'cisisomerization and solid state effects on the vibrational spectrum. Journal of Chemical Physics, 2003, 119, 11765-11772.	3.0	55
63	Cisâ†'transconversion of formic acid by dissipative tunneling in solid rare gases: Influence of environment on the tunneling rate. Journal of Chemical Physics, 2002, 117, 9095-9098.	3.0	169
64	Conformational Memory in Photodissociation of Formic Acid. Journal of the American Chemical Society, 2002, 124, 10994-10995.	13.7	75
65	A Matrix Isolation Spectroscopic and Quantum Chemical Study of Fumaric and Maleic Acid. Journal of Physical Chemistry A, 2001, 105, 3922-3933.	2.5	64
66	Photochemical reactivity of matrix-isolated monomeric carboxylic acids. Journal of Molecular Structure, 2001, 563-564, 27-40.	3.6	10
67	Low temperature matrix-isolation and solid state vibrational spectra of tetrazole. Physical Chemistry Chemical Physics, 2001, 3, 3541-3547.	2.8	61
68	Infrared-Induced Rotamerization of Oxalic Acid Monomer in Argon Matrix. Journal of Physical Chemistry A, 2000, 104, 6956-6961.	2.5	61
69	Conformational Analysis and Near-Infrared-Induced Rotamerization of Malonic Acid in an Argon Matrix. Journal of Physical Chemistry A, 2000, 104, 11725-11732.	2.5	46
70	Structure elucidation and photochemistry of substituted carboxylic compounds by low temperature matrix-isolation and solid state vibrational spectroscopy. Journal of Molecular Structure, 1999, 480-481, 83-99.	3.6	9