

Ermelinda M S MaÃ§Ã's

List of Publications by Year in descending order

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70
papers

2,737
citations

172457

29
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182427

51
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all docs

72
docs citations

72
times ranked

2682
citing authors

#	ARTICLE	IF	CITATIONS
1	Undecabenz[7]superhelicene: A Helical Nanographene Ribbon as a Circularly Polarized Luminescence Emitter. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14782-14786.	13.8	193
2	Cis \rightarrow trans conversion of formic acid by dissipative tunneling in solid rare gases: Influence of environment on the tunneling rate. <i>Journal of Chemical Physics</i> , 2002, 117, 9095-9098.	3.0	169
3	Enantiopure distorted ribbon-shaped nanographene combining two-photon absorption-based upconversion and circularly polarized luminescence. <i>Chemical Science</i> , 2018, 9, 3917-3924.	7.4	132
4	Rotational Isomerism in Acetic Acid: The First Experimental Observation of the High-Energy Conformer. <i>Journal of the American Chemical Society</i> , 2003, 125, 16188-16189.	13.7	119
5	Vibrational spectroscopy of cis- and trans-formic acid in solid argon. <i>Journal of Molecular Spectroscopy</i> , 2003, 219, 70-80.	1.2	112
6	A Triskelion-Shaped Saddle-Helix Hybrid Nanographene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8068-8072.	13.8	105
7	Rotational isomerism of acetic acid isolated in rare-gas matrices: Effect of medium and isotopic substitution on IR-induced isomerization quantum yield and cis \rightarrow trans tunneling rate. <i>Journal of Chemical Physics</i> , 2004, 121, 1331-1338.	3.0	86
8	Conformational Isomerization of Formic Acid by Vibrational Excitation at Energies below the Torsional Barrier. <i>Journal of the American Chemical Society</i> , 2003, 125, 4058-4059.	13.7	83
9	Undecabenz[7]superhelicene: A Helical Nanographene Ribbon as a Circularly Polarized Luminescence Emitter. <i>Angewandte Chemie</i> , 2018, 130, 14998-15002.	2.0	82
10	Photochemistry and Vibrational Spectroscopy of the Trans and Cis Conformers of Acetic Acid in Solid Ar. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3380-3389.	2.5	78
11	Two-Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7139-7145.	13.8	76
12	Conformational Memory in Photodissociation of Formic Acid. <i>Journal of the American Chemical Society</i> , 2002, 124, 10994-10995.	13.7	75
13	Internal Rotation in Propionic Acid: Near-Infrared-Induced Isomerization in Solid Argon. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3617-3625.	2.5	72
14	Photoconductive response in organic charge transfer interfaces with high quantum efficiency. <i>Nature Communications</i> , 2013, 4, 1842.	12.8	72
15	Rotational isomerization of small carboxylic acids isolated in argon matrices: Tunneling and quantum yields for the photoinduced processes. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 743-749.	2.8	66
16	A Matrix Isolation Spectroscopic and Quantum Chemical Study of Fumaric and Maleic Acid. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3922-3933.	2.5	64
17	A V-shaped cationic dye for nonlinear optical bioimaging. <i>Chemical Communications</i> , 2011, 47, 7374.	4.1	64
18	Infrared-Induced Rotamerization of Oxalic Acid Monomer in Argon Matrix. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6956-6961.	2.5	61

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19	Low temperature matrix-isolation and solid state vibrational spectra of tetrazole. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3541-3547.	2.8	61
20	Reactive vibrational excitation spectroscopy of formic acid in solid argon: Quantum yield for infrared induced trans \rightarrow cis isomerization and solid state effects on the vibrational spectrum. <i>Journal of Chemical Physics</i> , 2003, 119, 11765-11772.	3.0	55
21	Two-photon absorption properties of push \leftarrow pull oxazolones derivatives. <i>Dyes and Pigments</i> , 2012, 95, 713-722.	3.7	49
22	A Triskelion \leftarrow Shaped Saddle \leftarrow Helix Hybrid Nanographene. <i>Angewandte Chemie</i> , 2019, 131, 8152-8156.	2.0	47
23	Conformational Analysis and Near-Infrared-Induced Rotamerization of Malonic Acid in an Argon Matrix. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11725-11732.	2.5	46
24	\leftarrow Click and go \rightarrow : simple and fast folic acid conjugation. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3181-3190.	2.8	45
25	Infrared-induced conformational interconversion in carboxylic acids isolated in low-temperature rare-gas matrices. <i>Vibrational Spectroscopy</i> , 2004, 34, 73-82.	2.2	42
26	Selective two-photon absorption in carbon dots: a piece of the photoluminescence emission puzzle. <i>Nanoscale</i> , 2018, 10, 12505-12514.	5.6	40
27	Novel hybrids based on graphene quantum dots covalently linked to glycol corroles for multiphoton bioimaging. <i>Carbon</i> , 2020, 166, 164-174.	10.3	39
28	Effect of Molecular Stacking on Exciton Diffusion in Crystalline Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2015, 137, 7104-7110.	13.7	37
29	Nonlinear Emission of Quinolizinium-Based Dyes with Application in Fluorescence Lifetime Imaging. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2351-2362.	2.5	33
30	Stability and safety of quercetin-loaded cationic nanoemulsion: In vitro and in vivo assessments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 506, 591-599.	4.7	30
31	Bioinspired water-soluble two-photon fluorophores. <i>Dyes and Pigments</i> , 2018, 150, 105-111.	3.7	27
32	Synthesis and photophysical properties of hyperbranched polyfluorenes containing 2,4,6-tris(thiophen-2-yl)-1,3,5-triazine as the core. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8838.	2.8	26
33	Unsaturated oxazolones as nonlinear fluorophores. <i>Dyes and Pigments</i> , 2013, 99, 642-652.	3.7	25
34	Ultrafast Electronic and Vibrational Energy Relaxation of Fe(acetylacetonate) $_3$ in Solution. <i>Journal of Physical Chemistry A</i> , 2007, 111, 2054-2061.	2.5	24
35	Symmetrical and unsymmetrical multibranching D \leftarrow A molecules based on 1,3,5-triazine unit: synthesis and photophysical properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 16781.	6.7	23
36	Vibrational Relaxation of Matrix-Isolated Carboxylic Acid Dimers and Monomers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7227-7234.	2.5	21

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37	Biocompatible hybrids based on nanographene oxide covalently linked to glycolporphyrins: Synthesis, characterization and biological evaluation. <i>Carbon</i> , 2018, 135, 202-214.	10.3	21
38	Molecular architecture effects in two-photon absorption: from octupolar molecules to polymers and hybrid polymer nanoparticles based on 1,3,5-triazine. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2169.	5.8	20
39	Two-Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons. <i>Angewandte Chemie</i> , 2020, 132, 7205-7211.	2.0	20
40	Relaxation Dynamics of Cr(acac) ₃ Probed by Ultrafast Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 8934-8935.	13.7	17
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. <i>Macromolecules</i> , 2014, 47, 6679-6686.	4.8	17
42	Aggregation-induced emission of [3]cumulenes functionalized with heptagon-containing polyphenylenes. <i>Chemical Communications</i> , 2018, 54, 3359-3362.	4.1	17
43	Enhanced Photodynamic Therapy Effects of Graphene Quantum Dots Conjugated with Aminoporphyrins. <i>ACS Applied Nano Materials</i> , 2021, 4, 13079-13089.	5.0	17
44	Combining metal nanoclusters and carbon nanomaterials: Opportunities and challenges in advanced nanohybrids. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102667.	14.7	16
45	Enhanced conductivity and photoresponse at a rubrene single-crystal/PCBM film interface. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3639-3644.	5.5	15
46	A 1,3,5-triazine based polymer as a nonlinear near-infrared antenna for two-photon activated volumetric optical memory devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10775-10782.	5.5	15
47	Simple Perylene Diimide Cyclohexane Derivative With Combined CPL and TPA Properties. <i>Frontiers in Chemistry</i> , 2020, 8, 306.	3.6	15
48	Role of Vibrational Dynamics in Electronic Relaxation of Cr(acac) ₃ . <i>Journal of Physical Chemistry A</i> , 2015, 119, 2727-2734.	2.5	14
49	Combining Defects in a Single Nanographene: A Fully Helical Saddle Ribbon. <i>Synlett</i> , 2019, 30, 997-1002.	1.8	14
50	Excited-State Proton Transfer of Fluorescein Anion as an Ionic Liquid Component. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14108-14114.	2.6	12
51	Two-photon absorption of perylene-3,4,9,10-tetracarboxylic acid diimides: Effect of substituents in the bay. <i>Dyes and Pigments</i> , 2021, 193, 109470.	3.7	12
52	A Fluorescent Nanosensor for Silver (Ag ⁺) and Mercury (Hg ²⁺) Ions Using Eu (III)-Doped Carbon Dots. <i>Nanomaterials</i> , 2022, 12, 385.	4.1	11
53	Photochemical reactivity of matrix-isolated monomeric carboxylic acids. <i>Journal of Molecular Structure</i> , 2001, 563-564, 27-40.	3.6	10
54	Structure elucidation and photochemistry of substituted carboxylic compounds by low temperature matrix-isolation and solid state vibrational spectroscopy. <i>Journal of Molecular Structure</i> , 1999, 480-481, 83-99.	3.6	9

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55	On the growth and mechanical properties of nanostructured cobalt foams by dynamic hydrogen bubble template electrodeposition. <i>Materials Characterization</i> , 2020, 169, 110598.	4.4	9
56	Reflectance Confocal Microscopy: A Powerful Tool for Large Scale Characterization of Ordered/Disordered Morphology in Colloidal Photonic Structures. <i>ACS Nano</i> , 2021, 15, 11779-11788.	14.6	9
57	Impact of Molecular Organization on Exciton Diffusion in Photosensitive Single-Crystal Halogenated Perylene-diimides Charge Transfer Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27720-27729.	8.0	8
58	Organic Single Crystal Patterning Method for Micrometric Photosensors. <i>Advanced Functional Materials</i> , 2021, 31, 2105638.	14.9	8
59	Cryptolepine and quindoline: understanding their photophysics. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10255-10263.	2.8	7
60	Structural color and rheology of self-assembled poly(N-isopropylacrylamide-methacrylic acid) microgels in water. <i>European Polymer Journal</i> , 2019, 113, 349-356.	5.4	7
61	Two-photon activated precision molecular photosensitizer targeting mitochondria. <i>Communications Chemistry</i> , 2021, 4, .	4.5	7
62	Porphyrin-Oligopyridine Triads: Synthesis and Optical Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 5282-5287.	3.2	6
63	Interaction of toremifene with dipalmitoyl-phosphatidyl-glycerol in monolayers at the air-water interface followed by fluorescence microscopy in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 2013, 534, 584-590.	1.8	5
64	New triazine bridged triads based on BODIPY-porphyrin systems: Extended absorption, efficient energy transfer and upconverted emission. <i>Dyes and Pigments</i> , 2021, 187, 109137.	3.7	4
65	Lithium fluoride detectors for high spatial resolution imaging of tabletop XUV from high harmonic generation in gases. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2234.	2.1	4
66	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. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 119, 104481.	3.1	4
67	Graphene Quantum Dots and Phthalocyanines Turn-OFF-ON Photoluminescence Nanosensor for ds-DNA. <i>Nanomaterials</i> , 2022, 12, 1892.	4.1	4
68	Aggregation of coronene: the effect of carboxyl and amine functional groups. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1500-1509.	2.8	2
69	Single-crystal charge transfer interfaces for efficient photonic devices (Conference Presentation). , 2016, , .		0
70	Innenr¼cktitelbild: Two-Photon Absorption Enhancement by the Inclusion of a Tropone Ring in Distorted Nanographene Ribbons (<i>Angew. Chem.</i> 18/2020). <i>Angewandte Chemie</i> , 2020, 132, 7338-7338.	2.0	0