

Marco Carlotti

List of Publications by Year in descending order

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26
papers

820
citations

623734

14
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Microneedle Patches for Improved Penetration: Analysis, Skin Models and Factors Affecting Needle Insertion. <i>Nano-Micro Letters</i> , 2021, 13, 93.	27.0	151
2	Functional Materials for Two-Photon Polymerization in Microfabrication. <i>Small</i> , 2019, 15, e1902687.	10.0	141
3	Conformation-driven quantum interference effects mediated by through-space conjugation in self-assembled monolayers. <i>Nature Communications</i> , 2016, 7, 13904.	12.8	66
4	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018, 4, eaat8237.	10.3	64
5	Controlling destructive quantum interference in tunneling junctions comprising self-assembled monolayers via bond topology and functional groups. <i>Chemical Science</i> , 2018, 9, 4414-4423.	7.4	45
6	Two-Terminal Molecular Memory through Reversible Switching of Quantum Interference Features in Tunneling Junctions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15681-15685.	13.8	45
7	Enhancing optical efficiency of thin-film luminescent solar concentrators by combining energy transfer and stacked design. <i>Journal of Luminescence</i> , 2016, 171, 215-220.	3.1	41
8	Pronounced Environmental Effects on Injection Currents in EGaIn Tunneling Junctions Comprising Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20437-20445.	3.1	31
9	A fast and effective procedure for the optical efficiency determination of luminescent solar concentrators. <i>Solar Energy</i> , 2015, 119, 452-460.	6.1	29
10	Toward Mechanochromic Soft Material-Based Visual Feedback for Electronics-Free Surgical Effectors. <i>Advanced Science</i> , 2021, 8, e2100418.	11.2	23
11	Thermochromic polyethylene films doped with perylene chromophores: experimental evidence and methods for characterization of their phase behaviour. <i>Polymer Chemistry</i> , 2015, 6, 4003-4012.	3.9	22
12	Intermolecular Effects on Tunneling through Acenes in Large-Area and Single-Molecule Junctions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22776-22783.	3.1	20
13	Device-Compatible Chiroptical Surfaces through Self-Assembly of Enantiopure Allenes. <i>Langmuir</i> , 2018, 34, 4548-4553.	3.5	18
14	A Perspective on Cephalopods Mimicry and Bioinspired Technologies toward Proprioceptive Autonomous Soft Robots. <i>Advanced Materials Technologies</i> , 2021, 6, 2100437.	5.8	18
15	Systematic experimental study of quantum interference effects in anthraquinoid molecular wires. <i>Nanoscale Advances</i> , 2019, 1, 2018-2028.	4.6	16
16	High-Performance Luminescent Solar Concentrators Based on Poly(Cyclohexylmethacrylate) (PCHMA) Films. <i>Polymers</i> , 2020, 12, 2898.	4.5	14
17	Conformable on-skin devices for thermo-electro-tactile stimulation: materials, design, and fabrication. <i>Materials Advances</i> , 2021, 2, 1787-1820.	5.4	13
18	Novel, High-Resolution, Subtractive Photoresist Formulations for 3D Direct Laser Writing Based on Cyclic Ketene Acetals. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	12

#	ARTICLE	IF	CITATIONS
19	Electrically-Conductive Polyketone Nanocomposites Based on Reduced Graphene Oxide. <i>Polymers</i> , 2020, 12, 923.	4.5	11
20	A Simple Approach for Flexible and Stretchable Anti-icing Lubricant-Infused Tape. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45105-45115.	8.0	9
21	Direct laser writing of liquid crystal elastomers oriented by a horizontal electric field. <i>Open Research Europe</i> , 0, 1, 129.	2.0	8
22	Empirical Parameter to Compare Molecule-Electrode Interfaces in Large-Area Molecular Junctions. <i>ACS Physical Chemistry Au</i> , 2022, 2, 179-190.	4.0	8
23	Two-step MEMS microfabrication via 3D direct laser lithography. , 2021, , .		7
24	Mechanochromic LLDPE Films Doped with NIR Reflective Paliogen Black. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000426.	3.9	6
25	Two-Terminal Molecular Memory through Reversible Switching of Quantum Interference Features in Tunneling Junctions. <i>Angewandte Chemie</i> , 2018, 130, 15907-15911.	2.0	2
26	Direct laser writing of liquid crystal elastomers oriented by a horizontal electric field. <i>Open Research Europe</i> , 0, 1, 129.	2.0	0