

Aurelio Bonasera

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Modification of Nanocrystalline WO ₃ with a Dicationic Perylene Bisimide: Applications to Molecular Level Solar Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 4630-4633.	6.6	114
2	<i>N,N</i> -Disubstituted Indigos as Readily Available Red-Light Photoswitches with Tunable Thermal Half-Lives. <i>Journal of the American Chemical Society</i> , 2017, 139, 15205-15211.	6.6	99
3	Modification of Structural and Luminescence Properties of Graphene Quantum Dots by Gamma Irradiation and Their Application in a Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25865-25874.	4.0	94
4	Layered Double Hydroxides: A Toolbox for Chemistry and Biology. <i>Crystals</i> , 2019, 9, 361.	1.0	61
5	Light-Activated Sensitive Probes for Amine Detection. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1914-1918.	7.2	60
6	Sensitive Assays by Nucleophile-Induced Rearrangement of Photoactivated Diarylethenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 6432-6440.	6.6	44
7	Light-Controlled Reversible Modulation of Frontier Molecular Orbital Energy Levels in Trifluoromethylated Diarylethenes. <i>Chemistry - A European Journal</i> , 2017, 23, 3743-3754.	1.7	43
8	Semitransparent Perovskite Solar Cells for Building Integration and Tandem Photovoltaics: Design Strategies and Challenges. <i>Solar Rrl</i> , 2021, 5, 2100702.	3.1	31
9	The supramolecular design of low-dimensional carbon nano-hybrids encoding a polyoxometalate-bis-pyrene tweezer. <i>Chemical Communications</i> , 2014, 50, 4881-4883.	2.2	30
10	Reversible Modulation of Elasticity in Fluoroazobenzene-Containing Hydrogels Using Green and Blue Light. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700527.	2.0	25
11	Boosting the Performance of One-Step Solution-Processed Perovskite Solar Cells Using a Natural Monoterpene Alcohol as a Green Solvent Additive. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1813-1825.	2.0	22
12	The effect of annealing temperature and time on synthesis of graphene thin films by rapid thermal annealing. <i>Synthetic Metals</i> , 2015, 209, 461-467.	2.1	21
13	Artificial Biosystems by Printing Biology. <i>Small</i> , 2020, 16, e1907691.	5.2	21
14	Tackling Performance Challenges in Organic Photovoltaics: An Overview about Compatibilizers. <i>Molecules</i> , 2020, 25, 2200.	1.7	20
15	Fast and Efficient Microwave-Assisted Synthesis of Perylenebisimides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5060-5063.	1.2	18
16	Chemical modification of carbon nanomaterials (SWCNTs, DWCNTs, MWCNTs and SWCNHs) with diphenyl dichalcogenides. <i>Nanoscale</i> , 2015, 7, 6007-6013.	2.8	18
17	Gamma irradiation of graphene quantum dots with ethylenediamine: Antioxidant for ion sensing. <i>Ceramics International</i> , 2020, 46, 23611-23622.	2.3	16
18	Perylene Derivatives As Useful SERRS Reporters, Including Multiplexing Analysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28042-28048.	4.0	14

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19	Modulating the luminance of organic light-emitting diodes <i>via</i> optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , 2020, 12, 5444-5451.	2.8	14
20	Facile Synthesis of L-Cysteine Functionalized Graphene Quantum Dots as a Bioimaging and Photosensitive Agent. <i>Nanomaterials</i> , 2021, 11, 1879.	1.9	12
21	Superhydrophobic TiO ₂ /fluorinated polysiloxane hybrid coatings with controlled morphology for solar photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127633.	2.3	12
22	Shedding Light on Graphene Quantum Dots: Key Synthetic Strategies, Characterization Tools, and Cutting-Edge Applications. <i>Materials</i> , 2021, 14, 6153.	1.3	12
23	Lichtaktivierte Sensoren zur empfindlichen Amindetektion. <i>Angewandte Chemie</i> , 2017, 129, 1941-1945.	1.6	7
24	Pseudo-Planar Organic Heterojunctions by Sequential Printing of Quasi-Miscible Inks. <i>Coatings</i> , 2021, 11, 586.	1.2	4
25	Diarylethenes in Optically Switchable Organic Light-Emitting Diodes: Direct Investigation of the Reversible Charge Carrier Trapping Process. <i>Advanced Optical Materials</i> , 2022, 10, 2101116.	3.6	4
26	Unravelling Radicals Reactivity Towards Carbon Nanotubes Manipulation/Functionalization. <i>Current Organic Chemistry</i> , 2016, 20, 632-644.	0.9	3
27	Solvent-trap reaction of triazolinediones with simple alkenes: an experimental/theoretical study of thermodynamic and kinetic parameters. <i>Tetrahedron</i> , 2015, 71, 9474-9482.	1.0	2
28	Efficient Microwave-Assisted Synthesis of PCBM Methanofullerenes (C ₆₀ and C ₇₀)	1.2	1