

# Aurelio Bonasera

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8748835/aurelio-bonasera-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

538

citations

13

h-index

23

g-index

28

ext. papers

662

ext. citations

6.7

avg, IF

3.94

L-index

#	Paper	IF	Citations
28	Shedding Light on Graphene Quantum Dots: Key Synthetic Strategies, Characterization Tools, and Cutting-Edge Applications. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
27	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> , <b>2021</b> , 3, 1813-1825	4	10
26	Pseudo-Planar Organic Heterojunctions by Sequential Printing of Quasi-Miscible Inks. <i>Coatings</i> , <b>2021</b> , 11, 586	2.9	1
25	Facile Synthesis of L-Cysteine Functionalized Graphene Quantum Dots as a Bioimaging and Photosensitive Agent. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
24	Superhydrophobic TiO <sub>2</sub> /fluorinated polysiloxane hybrid coatings with controlled morphology for solar photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 631, 127633	5.1	0
23	Tackling Performance Challenges in Organic Photovoltaics: An Overview about Compatibilizers. <i>Molecules</i> , <b>2020</b> , 25,	4.8	14
22	Artificial Biosystems by Printing Biology. <i>Small</i> , <b>2020</b> , 16, e1907691	11	13
21	Gamma irradiation of graphene quantum dots with ethylenediamine: Antioxidant for ion sensing. <i>Ceramics International</i> , <b>2020</b> , 46, 23611-23622	5.1	9
20	Modulating the luminance of organic light-emitting diodes via optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , <b>2020</b> , 12, 5444-5451	7.7	8
19	Layered Double Hydroxides: A Toolbox for Chemistry and Biology. <i>Crystals</i> , <b>2019</b> , 9, 361	2.3	33
18	Reversible Modulation of Elasticity in Fluoroazobenzene-Containing Hydrogels Using Green and Blue Light. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, 1700527	4.8	15
17	Sensitive Assays by Nucleophile-Induced Rearrangement of Photoactivated Diarylethenes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6432-6440	16.4	30
16	Light-Activated Sensitive Probes for Amine Detection. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1914-1918	16.4	44
15	Light-Controlled Reversible Modulation of Frontier Molecular Orbital Energy Levels in Trifluoromethylated Diarylethenes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3743-3754	4.8	36
14	N,N-Disubstituted Indigos as Readily Available Red-Light Photoswitches with Tunable Thermal Half-Lives. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15205-15211	16.4	59
13	Lichtaktivierte Sensoren zur empfindlichen Amindetektion. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1941-1945	3.6	7
12	Unravelling Radicals Reactivity Towards Carbon Nanotubes Manipulation/Functionalization. <i>Current Organic Chemistry</i> , <b>2016</b> , 20, 632-644	1.7	3

11	Chemical modification of carbon nanomaterials (SWCNTs, DWCNTs, MWCNTs and SWCNHs) with diphenyl dichalcogenides. <i>Nanoscale</i> , <b>2015</b> , 7, 6007-13	7.7	13
10	Perylene Derivatives As Useful SERRS Reporters, Including Multiplexing Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 28042-8	9.5	10
9	Modification of nanocrystalline WO <sub>3</sub> with a dicationic perylene bisimide: applications to molecular level solar water splitting. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4630-3	16.4	90
8	Solvent-trap reaction of triazolinediones with simple alkenes: an experimental/theoretical study of thermodynamic and kinetic parameters. <i>Tetrahedron</i> , <b>2015</b> , 71, 9474-9482	2.4	
7	The effect of annealing temperature and time on synthesis of graphene thin films by rapid thermal annealing. <i>Synthetic Metals</i> , <b>2015</b> , 209, 461-467	3.6	13
6	Modification of Structural and Luminescence Properties of Graphene Quantum Dots by Gamma Irradiation and Their Application in a Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25865-74	9.5	78
5	Fast and Efficient Microwave-Assisted Synthesis of Perylenebisimides. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 5060-5063	3.2	15
4	Efficient Microwave-Assisted Synthesis of PCBM Methanofullerenes (C <sub>60</sub> and C <sub>70</sub> ). <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 1423-1427	3.2	1
3	The supramolecular design of low-dimensional carbon nano-hybrids encoding a polyoxometalate-bis-pyrene tweezer. <i>Chemical Communications</i> , <b>2014</b> , 50, 4881-3	5.8	28
2	Diarylethenes in Optically Switchable Organic Light-Emitting Diodes: Direct Investigation of the Reversible Charge Carrier Trapping Process. <i>Advanced Optical Materials</i> , 2101116	8.1	1
1	Semitransparent Perovskite Solar Cells for Building Integration and Tandem Photovoltaics: Design Strategies and Challenges. <i>Solar Rrl</i> , 2100702	7.1	3