

Minas M Stylianakis

List of Publications by Year in descending order

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60
papers

2,865
citations

172457

29
h-index

168389

53
g-index

63
all docs

63
docs citations

63
times ranked

5027
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion behaviour of graphene oxide and reduced graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 108-112.	9.4	752
2	Flexible Organic Photovoltaic Cells with In Situ Nonthermal Photoreduction of Spin-Coated Graphene Oxide Electrodes. <i>Advanced Functional Materials</i> , 2013, 23, 2742-2749.	14.9	167
3	Inorganic and Hybrid Perovskite Based Laser Devices: A Review. <i>Materials</i> , 2019, 12, 859.	2.9	100
4	A Novel Alternating Phenylenevinylene Copolymer with Perylene Bisimide Units: Synthesis, Photophysical, Electrochemical, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7904-7912.	3.1	95
5	Organic bulk heterojunction photovoltaic devices with surfactant-free Au nanoparticles embedded in the active layer. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	94
6	Efficient bulk heterojunction devices based on phenylenevinylene small molecule and perylene-pyrene bisimide. <i>Journal of Materials Chemistry</i> , 2010, 20, 561-567.	6.7	90
7	Spin coated graphene films as the transparent electrode in organic photovoltaic devices. <i>Thin Solid Films</i> , 2011, 520, 1238-1241.	1.8	79
8	A facile, covalent modification of single-wall carbon nanotubes by thiophene for use in organic photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 267-274.	6.2	70
9	Functionalized Graphene as an Electron-Cascade Acceptor for Air-Processed Organic Ternary Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 3870-3880.	14.9	67
10	Optical limiting action of few layered graphene oxide dispersed in different solvents. <i>Optical Materials</i> , 2013, 36, 112-117.	3.6	60
11	Low band gap vinylene compounds with triphenylamine and benzothiadiazole segments for use in photovoltaic cells. <i>Organic Electronics</i> , 2009, 10, 1320-1333.	2.6	59
12	Spin coated carbon nanotubes as the hole transport layer in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 298-301.	6.2	59
13	Plasmonic organic photovoltaic devices with graphene based buffer layers for stability and efficiency enhancement. <i>Nanoscale</i> , 2013, 5, 4144.	5.6	57
14	Bulk heterojunction organic photovoltaic devices based on low band gap small molecule BTB-TNP and perylene-anthracene diimide. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2025-2028.	6.2	56
15	Organic Bulk Heterojunction Photovoltaic Devices Based on Polythiophene-Graphene Composites. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4864-4870.	8.0	52
16	Enhanced Field Emission of WS ₂ Nanotubes. <i>Small</i> , 2014, 10, 2398-2403.	10.0	45
17	Air-Processed Infrared-Annealed Printed Methylammonium-Free Perovskite Solar Cells and Modules Incorporating Potassium-Doped Graphene Oxide as an Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11741-11754.	8.0	45
18	Enhanced Field Emission from Reduced Graphene Oxide Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 388-393.	8.0	44

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19	Synthesis, photophysics of two new perylene bisimides and their photovoltaic performances in quasi solid state dye sensitized solar cells. <i>Journal of Power Sources</i> , 2009, 194, 1171-1179.	7.8	43
20	Solution processed reduced graphene oxide electrodes for organic photovoltaics. <i>Nanoscale Horizons</i> , 2016, 1, 375-382.	8.0	43
21	Efficient ternary organic photovoltaics incorporating a graphene-based porphyrin molecule as a universal electron cascade material. <i>Nanoscale</i> , 2015, 7, 17827-17835.	5.6	42
22	Photochemical Synthesis of Solution-Processable Graphene Derivatives with Tunable Bandgaps for Organic Solar Cells. <i>Advanced Optical Materials</i> , 2015, 3, 658-666.	7.3	41
23	Plasmonic organic photovoltaics doped with metal nanoparticles. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011, 9, 184-189.	2.0	40
24	Effect of the Incorporation of a Low-Band-Gap Small Molecule in a Conjugated Vinylene Copolymer: PCBM Blend for Organic Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1370-1374.	8.0	38
25	Novel p-Phenylenevinylene Compounds Containing Thiophene or Anthracene Moieties and Cyano-Vinylene Bonds for Photovoltaic Applications. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1711-1718.	8.0	36
26	Ternary solution-processed organic solar cells incorporating 2D materials. <i>2D Materials</i> , 2017, 4, 042005.	4.4	36
27	Limitations of a polymer-based hole transporting layer for application in planar inverted perovskite solar cells. <i>Nanoscale Advances</i> , 2019, 1, 3107-3118.	4.6	35
28	Solution-processable graphene linked to 3,5-dinitrobenzoyl as an electron acceptor in organic bulk heterojunction photovoltaic devices. <i>Carbon</i> , 2012, 50, 5554-5561.	10.3	32
29	Highly Sensitive Humidity Sensors Based on Polyethylene Oxide/CuO/Multi Walled Carbon Nanotubes Composite Nanofibers. <i>Materials</i> , 2021, 14, 1037.	2.9	31
30	Efficient hybrid bulk heterojunction solar cells based on phenylenevinylene copolymer, perylene bisimide and TiO ₂ . <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1792-1800.	6.2	29
31	Novel blue-greenish electroluminescent poly(fluorenevinylene-alt-dibenzothiophenevinylene)s and their model compounds. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6790-6800.	2.3	28
32	Synthesis, photophysical and photovoltaic properties of star-shaped molecules with triphenylamine as core and phenylethenylthiophene or dithienylethylene as arms. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1952-1958.	6.2	28
33	Oxidative Desulfurization of Petroleum Distillate Fractions Using Manganese Dioxide Supported on Magnetic Reduced Graphene Oxide as Catalyst. <i>Nanomaterials</i> , 2021, 11, 203.	4.1	28
34	Efficiency enhancement of organic photovoltaics by addition of carbon nanotubes into both active and hole transport layer. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	26
35	Synthesis of perylene monoimide derivative and its use for quasi-solid-state dye-sensitized solar cells based on bare and modified nano-crystalline ZnO photoelectrodes. <i>Energy and Environmental Science</i> , 2009, 2, 1293.	30.8	24
36	Reduced Graphene Oxide Improves Moisture and Thermal Stability of Perovskite Solar Cells. <i>Cell Reports Physical Science</i> , 2020, 1, 100053.	5.6	24

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37	Ternary organic solar cells incorporating zinc phthalocyanine with improved performance exceeding 8.5%. <i>Dyes and Pigments</i> , 2017, 146, 408-413.	3.7	23
38	A two-fold engineering approach based on Bi ₂ Te ₃ flakes towards efficient and stable inverted perovskite solar cells. <i>Materials Advances</i> , 2020, 1, 450-462.	5.4	21
39	Building an Organic Solar Cell: Fundamental Procedures for Device Fabrication. <i>Energies</i> , 2019, 12, 2188.	3.1	20
40	Recent Advances in Chitin and Chitosan/Graphene-Based Bio-Nanocomposites for Energetic Applications. <i>Polymers</i> , 2021, 13, 3266.	4.5	19
41	Efficiency enhancement of organic photovoltaic devices by embedding uncapped Al nanoparticles in the hole transport layer. <i>RSC Advances</i> , 2015, 5, 71704-71708.	3.6	17
42	Updating the Role of Reduced Graphene Oxide Ink on Field Emission Devices in Synergy with Charge Transfer Materials. <i>Nanomaterials</i> , 2019, 9, 137.	4.1	17
43	Graphene-Based Inverted Planar Perovskite Solar Cells: Advancements, Fundamental Challenges, and Prospects. <i>Chemistry - an Asian Journal</i> , 2018, 13, 240-249.	3.3	16
44	A high performance flexible and robust printed thermoelectric generator based on hybridized Te nanowires with PEDOT:PSS. <i>Applied Energy</i> , 2021, 294, 117004.	10.1	16
45	An extensive case study on the dispersion parameters of HI-assisted reduced graphene oxide and its graphene oxide precursor. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 332-344.	9.4	13
46	Development of Waste Polystyrene-Based Copper Oxide/Reduced Graphene Oxide Composites and Their Mechanical, Electrical and Thermal Properties. <i>Nanomaterials</i> , 2021, 11, 2372.	4.1	13
47	New 4,7-dithienebenzothiadiazole derivatives with cyano-vinylene bonds: Synthesis, photophysics and photovoltaics. <i>Synthetic Metals</i> , 2009, 159, 1471-1477.	3.9	11
48	Alternating phenylenevinylene and thienylenevinylene copolymers with cyano groups: Synthesis, photophysics and photovoltaics. <i>Synthetic Metals</i> , 2009, 159, 142-147.	3.9	10
49	Tribological Performance Investigation of a Commercial Engine Oil Incorporating Reduced Graphene Oxide as Additive. <i>Nanomaterials</i> , 2021, 11, 386.	4.1	10
50	Impact of Graphene Derivatives as Artificial Extracellular Matrices on Mesenchymal Stem Cells. <i>Molecules</i> , 2022, 27, 379.	3.8	10
51	Energy-level alignment and open-circuit voltage at graphene/polymer interfaces: theory and experiment. <i>2D Materials</i> , 2016, 3, 015003.	4.4	9
52	Emphasizing the Operational Role of a Novel Graphene-Based Ink into High Performance Ternary Organic Solar Cells. <i>Nanomaterials</i> , 2020, 10, 89.	4.1	9
53	Benzothiadiazole Based Cascade Material to Boost the Performance of Inverted Ternary Organic Solar Cells. <i>Energies</i> , 2020, 13, 450.	3.1	7
54	Optoelectronic Nanodevices. <i>Nanomaterials</i> , 2020, 10, 520.	4.1	6

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55	Biodegradable nanomaterials. , 2020, , 123-157.		5
56	Solution-Processed Graphene-Based Transparent Conductive Electrodes as Ideal ITO Alternatives for Organic Solar Cells. , 2017, , .		4
57	Organometallic hybrid perovskites for humidity and gas sensing applications. , 2020, , 131-147.		3
58	Distinguished Contributions in the Fields of Biomedical and Environmental Applications Incorporating Nanostructured Materials and Composites in Journal Molecules. Molecules, 2021, 26, 2112.	3.8	3
59	Alternating phenylenevinylene copolymers with dithienbenzothiadiazole moieties: Synthesis, photophysical, and photovoltaic properties. Journal of Applied Polymer Science, 2009, 114, 2740-2750.	2.6	1
60	Organic Solar Cells: Photochemical Synthesis of Solutionâ€­Processable Graphene Derivatives with Tunable Bandgaps for Organic Solar Cells (Advanced Optical Materials 5/2015). Advanced Optical Materials, 2015, 3, 596-596.	7.3	1