

# Emmanuel Kymakis

## List of Publications by Citations

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

141 papers	7,725 citations	48 h-index	85 g-index
160 ext. papers	8,682 ext. citations	8.8 avg, IF	6.4 L-index

#	Paper	IF	Citations
141	Single-wall carbon nanotube/conjugated polymer photovoltaic devices. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 112-114	3.4	713
140	Dispersion behaviour of graphene oxide and reduced graphene oxide. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 430, 108-12	9.3	561
139	Nanoparticle-based plasmonic organic photovoltaic devices. <i>Materials Today</i> , <b>2013</b> , 16, 133-146	21.8	326
138	High open-circuit voltage photovoltaic devices from carbon-nanotube-polymer composites. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 1764-1768	2.5	311
137	Performance analysis of a grid connected photovoltaic park on the island of Crete. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 433-438	10.6	265
136	Single-walled carbon nanotube/polymer composites: electrical, optical and structural investigation. <i>Synthetic Metals</i> , <b>2002</b> , 127, 59-62	3.6	238
135	Electrical properties of single-wall carbon nanotube-polymer composite films. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 084302	2.5	202
134	Photovoltaic Properties of Dye Functionalized Single-Wall Carbon Nanotube/Conjugated Polymer Devices. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4819-4823	9.6	167
133	Graphene Interface Engineering for Perovskite Solar Modules: 12.6% Power Conversion Efficiency over 50 cm <sup>2</sup> Active Area. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 279-287	20.1	162
132	Efficient and Highly Air Stable Planar Inverted Perovskite Solar Cells with Reduced Graphene Oxide Doped PCBM Electron Transporting Layer. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602120	21.8	159
131	Efficiency and Stability Enhancement in Perovskite Solar Cells by Inserting Lithium-Neutralized Graphene Oxide as Electron Transporting Layer. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2686-2694	15.6	154
130	Flexible Organic Photovoltaic Cells with In Situ Nonthermal Photoreduction of Spin-Coated Graphene Oxide Electrodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2742-2749	15.6	148
129	Improving the efficiency of organic photovoltaics by tuning the work function of graphene oxide hole transporting layers. <i>Nanoscale</i> , <b>2014</b> , 6, 6925-31	7.7	119
128	High Electron Mobility Thin-Film Transistors Based on Solution-Processed Semiconducting Metal Oxide Heterojunctions and Quasi-Superlattices. <i>Advanced Science</i> , <b>2015</b> , 2, 1500058	13.6	107
127	Reduced Graphene Oxide Micromesh Electrodes for Large Area, Flexible, Organic Photovoltaic Devices. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2213-2221	15.6	107
126	Polymer/nanotube composites: Burying nanotubes improves their field emission properties. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1435-1437	3.4	105
125	Enhanced Structural Stability and Performance Durability of Bulk Heterojunction Photovoltaic Devices Incorporating Metallic Nanoparticles. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3573-3582	15.6	98

124	Post-fabrication annealing effects in polymer-nanotube photovoltaic cells. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 1058-1062	3	98
123	Extending the Continuous Operating Lifetime of Perovskite Solar Cells with a Molybdenum Disulfide Hole Extraction Interlayer. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702287	21.8	90
122	Photovoltaic cells based on dye-sensitisation of single-wall carbon nanotubes in a polymer matrix. <i>Solar Energy Materials and Solar Cells</i> , <b>2003</b> , 80, 465-472	6.4	87
121	Organic bulk heterojunction photovoltaic devices with surfactant-free Au nanoparticles embedded in the active layer. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 213904	3.4	82
120	pH effect on the morphology of ZnO nanostructures grown with aqueous chemical growth. <i>Thin Solid Films</i> , <b>2007</b> , 515, 8764-8767	2.2	80
119	Carbon nanotube doping of P3HT : PCBM photovoltaic devices. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 165110	3	74
118	Size-Tuning of WSe Flakes for High Efficiency Inverted Organic Solar Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 3517-3531	16.7	72
117	Recent advances in plasmonic metal and rare-earth-element upconversion nanoparticle doped perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21604-21624	13	70
116	Spin coated graphene films as the transparent electrode in organic photovoltaic devices. <i>Thin Solid Films</i> , <b>2011</b> , 520, 1238-1241	2.2	70
115	Graphene and transition metal dichalcogenide nanosheets as charge transport layers for solution processed solar cells. <i>Materials Today</i> , <b>2016</b> , 19, 580-594	21.8	68
114	Perovskite nanostructures for photovoltaic and energy storage devices. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9765-9798	13	67
113	Enhancement of the Efficiency and Stability of Organic Photovoltaic Devices via the Addition of a Lithium-Neutralized Graphene Oxide Electron-Transporting Layer. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 5988-5993	9.6	66
112	Solution Processed CHNHPbI <sub>2</sub> Perovskite Based Self-Powered Ozone Sensing Element Operated at Room Temperature. <i>ACS Sensors</i> , <b>2018</b> , 3, 135-142	9.2	66
111	Post-fabrication, in situ laser reduction of graphene oxide devices. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 093115	3.4	65
110	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> , <b>2010</b> , 94, 267-274	6.4	65
109	Enhancement of photo/thermal stability of organic bulk heterojunction photovoltaic devices via gold nanoparticles doping of the active layer. <i>Nanoscale</i> , <b>2012</b> , 4, 7452-9	7.7	64
108	Effective mobility and photocurrent in carbon nanotube/polymer composite photovoltaic cells. <i>Nanotechnology</i> , <b>2007</b> , 18, 435702	3.4	64
107	Functionalized Graphene as an Electron-Cascade Acceptor for Air-Processed Organic Ternary Solar Cells. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3870-3880	15.6	63

106	Optical properties of polymer-nanotube composites. <i>Synthetic Metals</i> , <b>2004</b> , 142, 161-167	3.6	63
105	Graphene-based technologies for energy applications, challenges and perspectives. <i>2D Materials</i> , <b>2015</b> , 2, 030204	5.9	62
104	Highly efficient organic photovoltaic devices utilizing work-function tuned graphene oxide derivatives as the anode and cathode charge extraction layers. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1612-1623	13	60
103	Graphene-Based Electron Transport Layers in Perovskite Solar Cells: A Step-Up for an Efficient Carrier Collection. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1701349	21.8	60
102	Beneficial Role of Reduced Graphene Oxide for Electron Extraction in Highly Efficient Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 3040-3044	8.3	56
101	Free-standing graphene on microstructured silicon vertices for enhanced field emission properties. <i>Nanoscale</i> , <b>2012</b> , 4, 3069-74	7.7	56
100	Three-dimensional carbon nanowall field emission arrays. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 043110	3.4	56
99	Metal Halide Perovskites for High-Energy Radiation Detection. <i>Advanced Science</i> , <b>2020</b> , 7, 2002098	13.6	55
98	Plasmonic organic photovoltaic devices with graphene based buffer layers for stability and efficiency enhancement. <i>Nanoscale</i> , <b>2013</b> , 5, 4144-50	7.7	54
97	Spin coated carbon nanotubes as the hole transport layer in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 96, 298-301	6.4	53
96	Carbon nanotube/PEDOT:PSS electrodes for organic photovoltaics. <i>EPJ Applied Physics</i> , <b>2006</b> , 36, 257-259	1	52
95	Integration of carbon nanotubes as hole transport electrode in polymer/fullerene bulk heterojunction solar cells. <i>Thin Solid Films</i> , <b>2007</b> , 515, 8598-8600	2.2	49
94	Laser-Assisted Reduction of Graphene Oxide for Flexible, Large-Area Optoelectronics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2014</b> , 20, 106-115	3.8	48
93	Organic bulk heterojunction photovoltaic devices based on polythiophene-graphene composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4864-70	9.5	48
92	Renaissance of graphene-related materials in photovoltaics due to the emergence of metal halide perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1030-1061	35.4	47
91	Improved Carrier Transport in Perovskite Solar Cells Probed by Femtosecond Transient Absorption Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43910-43919	9.5	46
90	Intense femtosecond photoexcitation of bulk and monolayer MoS <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2014</b> , 105, 041108	3.4	45
89	Advanced Photonic Processes for Photovoltaic and Energy Storage Systems. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700335	24	43

88	Synergetic plasmonic effect of Al and Au nanoparticles for efficiency enhancement of air processed organic photovoltaic devices. <i>Chemical Communications</i> , <b>2014</b> , 50, 5285-7	5.8	41
87	Plasmonic Bulk Heterojunction Solar Cells: The Role of Nanoparticle Ligand Coating. <i>ACS Photonics</i> , <b>2015</b> , 2, 714-723	6.3	40
86	Solution processed reduced graphene oxide electrodes for organic photovoltaics. <i>Nanoscale Horizons</i> , <b>2016</b> , 1, 375-382	10.8	40
85	Room temperature observation of biexcitons in exfoliated WS <sub>2</sub> monolayers. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 193102	3.4	39
84	Efficient ternary organic photovoltaics incorporating a graphene-based porphyrin molecule as a universal electron cascade material. <i>Nanoscale</i> , <b>2015</b> , 7, 17827-35	7.7	39
83	Laser induced nucleation of plasmonic nanoparticles on two-dimensional nanosheets for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1020-1027	13	39
82	Photochemical Synthesis of Solution-Processable Graphene Derivatives with Tunable Bandgaps for Organic Solar Cells. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 658-666	8.1	38
81	Enhanced field emission from reduced graphene oxide polymer composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 388-93	9.5	38
80	Plasmonic Backscattering Effect in High-Efficient Organic Photovoltaic Devices. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501640	21.8	37
79	Plasmonic organic photovoltaics doped with metal nanoparticles. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , <b>2011</b> , 9, 184-189	2.6	37
78	A study of the electromagnetic shielding mechanisms in the GHz frequency range of graphene based composite layers. <i>Applied Surface Science</i> , <b>2017</b> , 398, 15-18	6.7	36
77	Enhanced Stability of Aluminum Nanoparticle-Doped Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17756-64	9.5	36
76	Organic solar cells with plasmonic layers formed by laser nanofabrication. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8237-44	3.6	36
75	Enhanced field emission of WS <sub>2</sub> nanotubes. <i>Small</i> , <b>2014</b> , 10, 2398-403	11	35
74	Direct laser writing of flexible graphene field emitters. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 203104	3.4	34
73	Efficiency and stability enhancement of inverted perovskite solar cells via the addition of metal nanoparticles in the hole transport layer. <i>RSC Advances</i> , <b>2017</b> , 7, 12998-13002	3.7	33
72	Aluminum nanoparticles for efficient and stable organic photovoltaics. <i>RSC Advances</i> , <b>2013</b> , 3, 16288	3.7	32
71	Laser generated nanoparticles based photovoltaics. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 489, 28-37	9.3	32

70	Spatially-resolved in-situ structural study of organic electronic devices with nanoscale resolution: the plasmonic photovoltaic case study. <i>Advanced Materials</i> , <b>2013</b> , 25, 4760-5	24	31
69	Ternary solution-processed organic solar cells incorporating 2D materials. <i>2D Materials</i> , <b>2017</b> , 4, 042005	5.9	29
68	Solution-processable graphene linked to 3,5-dinitrobenzoyl as an electron acceptor in organic bulk heterojunction photovoltaic devices. <i>Carbon</i> , <b>2012</b> , 50, 5554-5561	10.4	29
67	Electron field emission from graphene oxide wrinkles. <i>RSC Advances</i> , <b>2016</b> , 6, 2768-2773	3.7	27
66	Ternary Organic Solar Cells with Reduced Graphene Oxide/BS3 Hybrid Nanosheets as the Cascade Material. <i>ChemNanoMat</i> , <b>2015</b> , 1, 346-352	3.5	27
65	Plasmonic Organic Photovoltaic Devices on Transparent Carbon Nanotube Films. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 860-864	2.9	27
64	Efficiency enhancement of organic photovoltaics by addition of carbon nanotubes into both active and hole transport layer. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 093301	3.4	26
63	Novel approaches and scalability prospects of copper based hole transporting materials for planar perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13680-13708	7.1	25
62	Supercapacitors with alternating current line-filtering performance. <i>BMC Materials</i> , <b>2020</b> , 2,	6.7	25
61	Influence of solution chemistry on the properties of hydrothermally grown TiO <sub>2</sub> for advanced applications. <i>Catalysis Today</i> , <b>2009</b> , 144, 172-176	5.3	25
60	In situ photo-induced chemical doping of solution-processed graphene oxide for electronic applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5931-5937	7.1	23
59	Limitations of a polymer-based hole transporting layer for application in planar inverted perovskite solar cells. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3107-3118	5.1	22
58	Azulene-Based Molecules, Polymers, and Frameworks for Optoelectronic and Energy Applications. <i>Small Methods</i> , <b>2020</b> , 4, 2000628	12.8	21
57	Solution-processed two-dimensional materials for next-generation photovoltaics. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 11870-11965	58.5	21
56	Ternary organic solar cells incorporating zinc phthalocyanine with improved performance exceeding 8.5%. <i>Dyes and Pigments</i> , <b>2017</b> , 146, 408-413	4.6	20
55	Improved Charge Carrier Dynamics of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films Synthesized by Means of Laser-Assisted Crystallization. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 5101-5111	6.1	20
54	Spatial non-uniformity in exfoliated WS <sub>2</sub> single layers. <i>Nanoscale</i> , <b>2016</b> , 8, 16197-203	7.7	18
53	Air-Processed Infrared-Annealed Printed Methylammonium-Free Perovskite Solar Cells and Modules Incorporating Potassium-Doped Graphene Oxide as an Interlayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11741-11754	9.5	17

52	Efficient and environmental-friendly perovskite solar cells via embedding plasmonic nanoparticles: an optical simulation study on realistic device architectures. <i>Optics Express</i> , <b>2019</b> , 27, 31144-31163	3.3	16
51	Stability enhancement of organic photovoltaic devices utilizing partially reduced graphene oxide as the hole transport layer: nanoscale insight into structural/interfacial properties and aging effects. <i>RSC Advances</i> , <b>2015</b> , 5, 106930-106940	3.7	15
50	Improving stability of organic devices: a time/space resolved structural monitoring approach applied to plasmonic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 159, 617-624	6.4	14
49	Programming the assembly of gold nanoparticles on graphene oxide sheets using DNA. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9379-9384	7.1	14
48	Updating the Role of Reduced Graphene Oxide Ink on Field Emission Devices in Synergy with Charge Transfer Materials. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	13
47	Solution-Processed Pure Sulfide Cu <sub>2</sub> (Zn <sub>0.6</sub> Cd <sub>0.4</sub> )SnS <sub>4</sub> Solar Cells with Efficiency 10.8% Using Ultrathin CuO Intermediate Layer. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000293	7.1	13
46	Indoor Perovskite Photovoltaics for the Internet of ThingsChallenges and Opportunities toward Market Uptake. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101854	21.8	13
45	Efficiency enhancement of organic photovoltaic devices by embedding uncapped Al nanoparticles in the hole transport layer. <i>RSC Advances</i> , <b>2015</b> , 5, 71704-71708	3.7	12
44	Graphene-Based Inverted Planar Perovskite Solar Cells: Advancements, Fundamental Challenges, and Prospects. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 240-249	4.5	12
43	Polymer-nanotube composite mats with improved field emission performance and stability. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 703-9	3.6	12
42	Quinone-Enriched Conjugated Microporous Polymer as an Organic Cathode for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 9064-9073	9.5	12
41	Building an Organic Solar Cell: Fundamental Procedures for Device Fabrication. <i>Energies</i> , <b>2019</b> , 12, 2188	3.1	11
40	Reduced Graphene Oxide Improves Moisture and Thermal Stability of Perovskite Solar Cells. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100053	6.1	11
39	Slow photocharging and reduced hysteresis in low-temperature processed planar perovskite solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 107771-107776	3.7	11
38	Radical Salt-Doped Hole Transporters in Organic Photovoltaic Devices. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4049-4055	9.6	11
37	Self-powered, flexible and room temperature operated solution processed hybrid metal halide p-type sensing element for efficient hydrogen detection. <i>JPhys Materials</i> , <b>2020</b> , 3, 014010	4.2	11
36	Impact of P3HT materials properties and layer architecture on OPV device stability. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 202, 110151	6.4	10
35	A two-fold engineering approach based on Bi <sub>2</sub> Te <sub>3</sub> flakes towards efficient and stable inverted perovskite solar cells. <i>Materials Advances</i> , <b>2020</b> , 1, 450-462	3.3	10



34	Effect of the reduction process on the field emission performance of reduced graphene oxide cathodes. <i>RSC Advances</i> , <b>2015</b> , 5, 53604-53610	3.7	10
33	Catechol-Coordinated Framework Film-based Micro-Supercapacitors with AC Line Filtering Performance. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6340-6347	4.8	10
32	In-situ sequential laser transfer and laser reduction of graphene oxide films. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 183301	3.4	10
31	Stability of organic solar cells with PCDTBT donor polymer: An interlaboratory study. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 1909-1924	2.5	9
30	In situ monitoring of the charge carrier dynamics of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite crystallization process. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12170-12179	7.1	8
29	Bi-layer photovoltaic devices with PPQ as the electron acceptor layer. <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 1705-1714	6.4	8
28	The launch of BMC Materials. <i>BMC Materials</i> , <b>2019</b> , 1,	6.7	8
27	Effects of alkyl side chains positioning and presence of fused aromatic units in the backbone of low-bandgap diketopyrrolopyrrole copolymers on the optoelectronic properties of organic solar cells. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 138-146	2.5	8
26	Inverted perovskite solar cells with enhanced lifetime and thermal stability enabled by a metallic tantalum disulfide buffer layer. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 3124-3135	5.1	8
25	Energy-level alignment and open-circuit voltage at graphene/polymer interfaces: theory and experiment. <i>2D Materials</i> , <b>2016</b> , 3, 015003	5.9	7
24	Emphasizing the Operational Role of a Novel Graphene-Based Ink into High Performance Ternary Organic Solar Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	6
23	Evaluating the role of phenethylamine iodide as a novel anti-solvent for enhancing performance of inverted planar perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7143-7148	7.1	6
22	Up-scalable emerging energy conversion technologies enabled by 2D materials: from miniature power harvesters towards grid-connected energy systems. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3352-3392	35.4	6
21	Benzothiadiazole Based Cascade Material to Boost the Performance of Inverted Ternary Organic Solar Cells. <i>Energies</i> , <b>2020</b> , 13, 450	3.1	5
20	Graphene Oxide-Like Materials in Organic and Perovskite Solar Cells <b>2018</b> , 357-394		5
19	Ultrathin PTAA interlayer in conjunction with azulene derivatives for the fabrication of inverted perovskite solar cells. <i>Journal of Materials Chemistry C</i> ,	7.1	5
18	Solution-Processed Graphene-Based Transparent Conductive Electrodes as Ideal ITO Alternatives for Organic Solar Cells <b>2017</b> ,		4
17	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> , <b>2020</b> , 580, 332-344	9.3	4



16	Perovskite oxide and polyazuleneBased heterostructure for high performance supercapacitors. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51198	2.9	4
15	Photovoltaic Devices based on Carbon Nanotubes and Related Structures291-303		4
14	Photovoltaics: Reduced Graphene Oxide Micromesh Electrodes for Large Area, Flexible, Organic Photovoltaic Devices (Adv. Funct. Mater. 15/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2206-2206	15.6	3
13	Beneficial impact of materials with reduced dimensionality on the stability of perovskite-based photovoltaics. <i>JPhys Energy</i> , <b>2019</b> , 1, 044001	4.9	3
12	The role of the ethynylene bond on the optical and electronic properties of diketopyrrolopyrrole copolymers. <i>RSC Advances</i> , <b>2014</b> , 4, 58404-58411	3.7	3
11	Laboratory Investigation of the Hydrophobicity Transfer Mechanism on Composite Insulators Aged in Coastal Service. <i>Engineering, Technology &amp; Applied Science Research</i> , <b>2016</b> , 6, 1124-1129	1	3
10	Rational Control of Topological Defects in Porous Carbon for High-Efficiency Carbon Dioxide Conversion. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100051	4.6	3
9	Organometallic hybrid perovskites for humidity and gas sensing applications <b>2020</b> , 131-147		2
8	A high performance flexible and robust printed thermoelectric generator based on hybridized Te nanowires with PEDOT:PSS. <i>Applied Energy</i> , <b>2021</b> , 294, 117004	10.7	2
7	Organic Solar Cells: Photochemical Synthesis of Solution-Processable Graphene Derivatives with Tunable Bandgaps for Organic Solar Cells (Advanced Optical Materials 5/2015). <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 596-596	8.1	1
6	Photovoltaic response in poly(3-octylthiophene)-based metal-semiconductor-metal diodes <b>2001</b> , 4108, 112		1
5	Modelling graphene quantum dot functionalization via ethylene-dinitrobenzoyl. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 123902	3.4	1
4	Topological defect-containing Fe/N co-doped mesoporous carbon nanosheets as novel electrocatalysts for the oxygen reduction reaction and Zn-air batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 13249-13255	7.7	1
3	Poly(2-aminoazulene) FillerImproved PEO-Based Electrolyte for Highly Stable Solid-State Li-Metal Batteries. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 090545	3.9	1
2	Charge carrier dynamics in different crystal phases of $\text{CH}_3\text{NH}_2\text{PbI}_3$ perovskite <b>2022</b> , 1, 210005-210005		0
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