

# Ana F Nogueira

## List of Publications by Citations

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L-index

#	Paper	IF	Citations
162	Efficient Luminescence from Perovskite Quantum Dot Solids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25007-13	9.5	401
161	Polymers in dye sensitized solar cells: overview and perspectives. <i>Coordination Chemistry Reviews</i> , <b>2004</b> , 248, 1455-1468	23.2	372
160	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , <b>2020</b> , 5, 35-49	62.3	369
159	Dye-Sensitized Nanocrystalline Solar Cells Employing a Polymer Electrolyte. <i>Advanced Materials</i> , <b>2001</b> , 13, 826-830	24	338
158	Solid-State and Flexible Dye-Sensitized TiO <sub>2</sub> Solar Cells: a Study by Electrochemical Impedance Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 5925-5930	3.4	287
157	Amine-Free Synthesis of Cesium Lead Halide Perovskite Quantum Dots for Efficient Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8757-8763	15.6	265
156	New insights into dye-sensitized solar cells with polymer electrolytes. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5279		247
155	Charge Recombination in Conjugated Polymer/Fullerene Blended Films Studied by Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 1567-1573	3.4	190
154	Transient optical studies of charge recombination dynamics in a polymer/fullerene composite at room temperature. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3001-3003	3.4	179
153	Electron Transfer Dynamics in Dye Sensitized Nanocrystalline Solar Cells Using a Polymer Electrolyte. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 7517-7524	3.4	148
152	Efficient Biexciton Interaction in Perovskite Quantum Dots Under Weak and Strong Confinement. <i>ACS Nano</i> , <b>2016</b> , 10, 8603-9	16.7	142
151	Dye-sensitized solar cells employing polymers. <i>Progress in Polymer Science</i> , <b>2016</b> , 59, 1-40	29.6	115
150	Progress on Electrolytes Development in Dye-Sensitized Solar Cells. <i>Materials</i> , <b>2019</b> , 12,	3.5	95
149	The effects of CdSe incorporation into bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4845		88
148	All-polymeric electrochromic and photoelectrochemical devices: new advances. <i>Electrochimica Acta</i> , <b>2001</b> , 46, 4243-4249	6.7	86
147	Dye-sensitized solar cells based on TiO <sub>2</sub> nanotubes and a solid-state electrolyte. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 189, 153-160	4.7	82
146	Electrochemical and structural characterization of polymer gel electrolytes based on a PEO copolymer and an imidazolium-based ionic liquid for dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2870-7	9.5	81

145	Structural Origins of Light-Induced Phase Segregation in Organic-Inorganic Halide Perovskite Photovoltaic Materials. <i>Matter</i> , <b>2020</b> , 2, 207-219	12.7	77
144	A dye sensitized TiO <sub>2</sub> photovoltaic cell constructed with an elastomeric electrolyte. <i>Solar Energy Materials and Solar Cells</i> , <b>2000</b> , 61, 135-141	6.4	74
143	Nanocrystalline anatase TiO <sub>2</sub> /reduced graphene oxide composite films as photoanodes for photoelectrochemical water splitting studies: the role of reduced graphene oxide. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2608-16	3.6	73
142	A novel nanocomposite based on TiO <sub>2</sub> /Cu <sub>2</sub> O/reduced graphene oxide with enhanced solar-light-driven photocatalytic activity. <i>Applied Surface Science</i> , <b>2015</b> , 324, 419-431	6.7	70
141	A comprehensive review of the application of chalcogenide nanoparticles in polymer solar cells. <i>Nanoscale</i> , <b>2014</b> , 6, 6371-97	7.7	70
140	A polymer gel electrolyte composed of a poly(ethylene oxide) copolymer and the influence of its composition on the dynamics and performance of dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1246-1255	8.9	66
139	Polymer Solar Cells Using Single-Wall Carbon Nanotubes Modified with Thiophene Pedant Groups. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18431-18438	3.8	66
138	Solid-state dye-sensitized solar cell: Improved performance and stability using a plasticized polymer electrolyte. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2006</b> , 181, 226-232	4.7	65
137	Two-Photon Absorption and Two-Photon-Induced Gain in Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3478-3484	6.4	61
136	Cross-linked gel polymer electrolyte containing multi-wall carbon nanotubes for application in dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2012</b> , 208, 263-270	8.9	60
135	Dye-sensitized solar cell architecture based on indium tin oxide nanowires coated with titanium dioxide. <i>Scripta Materialia</i> , <b>2007</b> , 57, 277-280	5.6	59
134	Enhancement of photocurrent generation and open circuit voltage in dye-sensitized solar cells using Li <sup>+</sup> trapping species in the gel electrolyte. <i>Chemical Communications</i> , <b>2008</b> , 1121-3	5.8	58
133	Surface Photovoltage Measurements on a Particle Tandem Photocatalyst for Overall Water Splitting. <i>Nano Letters</i> , <b>2018</b> , 18, 805-810	11.5	57
132	Device Performance of Emerging Photovoltaic Materials (Version 1). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002774	21.8	56
131	Thermoelectric properties of V <sub>2</sub> O <sub>5</sub> thin films deposited by thermal evaporation. <i>Applied Surface Science</i> , <b>2013</b> , 282, 590-594	6.7	55
130	The role of gel electrolyte composition in the kinetics and performance of dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 7166-7172	6.7	55
129	Nanoscale mapping of chemical composition in organic-inorganic hybrid perovskite films. <i>Science Advances</i> , <b>2019</b> , 5, eaaw6619	14.3	53
128	A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4425		52

127	Enhanced photovoltaic performance of inverted hybrid bulk-heterojunction solar cells using TiO <sub>2</sub> /reduced graphene oxide films as electron transport layers. <i>Journal of Photonics for Energy</i> , <b>2015</b> , 5, 057408	1.3	51
126	Sensitization of TiO <sub>2</sub> by supramolecules containing zinc porphyrins and ruthenium-polypyridyl complexes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 396-8	5.1	51
125	ZnO nanostructures directly grown on paper and bacterial cellulose substrates without any surface modification layer. <i>Chemical Communications</i> , <b>2013</b> , 49, 8096-8	5.8	47
124	Conductivity and mechanical properties of composites based on MWCNTs and styrene-butadiene-styrene block copolymers. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 3241-3248	2.9	46
123	Poly(ethylene oxide-co-epichlorohydrin)/NaI: a promising polymer electrolyte for photoelectrochemical cells. <i>Solid State Ionics</i> , <b>2001</b> , 140, 327-335	3.3	43
122	Flexible photoelectrochemical devices based on conducting polymers. <i>Synthetic Metals</i> , <b>2000</b> , 108, 151-157	3.5	42
121	In Situ Analysis Reveals the Role of 2D Perovskite in Preventing Thermal-Induced Degradation in 2D/3D Perovskite Interfaces. <i>Nano Letters</i> , <b>2020</b> , 20, 3992-3998	11.5	41
120	Solid-state photoelectrochemical device using poly(o-methoxy aniline) as sensitizer and an ionic conductive elastomer as electrolyte. <i>Synthetic Metals</i> , <b>1999</b> , 105, 23-27	3.6	41
119	Inverted organic solar cells using nanocellulose as substrate. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	40
118	Synthesis and characterization of a quaternary nanocomposite based on TiO <sub>2</sub> /CdS/rGO/Pt and its application in the photoreduction of CO <sub>2</sub> to methane under visible light. <i>RSC Advances</i> , <b>2015</b> , 5, 33914-33922	3.7	38
117	Solar module using dye-sensitized solar cells with a polymer electrolyte. <i>Solar Energy Materials and Solar Cells</i> , <b>2008</b> , 92, 1110-1114	6.4	38
116	Photoelectrochemical properties of supramolecular species containing porphyrin and ruthenium complexes on TiO <sub>2</sub> films. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 56-62	4.2	37
115	Humidity-Induced Photoluminescence Hysteresis in Variable Cs/Br Ratio Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3463-3469	6.4	35
114	A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 320-324	3.6	35
113	Study of photoelectrochemical water splitting using composite films based on TiO <sub>2</sub> nanoparticles and nitrogen or boron doped hollow carbon spheres as photoanodes. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 422, 165-174		31
112	Enhancing in the performance of dye-sensitized solar cells by the incorporation of functionalized multi-walled carbon nanotubes into TiO <sub>2</sub> films: The role of MWCNT addition. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 78-84	4.7	31
111	Carbon nanotube-polybithiophene photovoltaic devices with high open-circuit voltage. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2007</b> , 1, R43-R45	2.5	31
110	Doping saturation in dye-sensitized solar cells based on ZnO:Ga nanostructured photoanodes. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 6503-6509	6.7	30

109	Preparation of conducting polyanilines doped with Keggin-type polyoxometalates and their application as counter electrode in dye-sensitized solar cells. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 5054-5060	4.3	30
108	Preparação de nanopartículas de prata e ouro: um método simples para a introdução da nanociência em laboratório de ensino. <i>Quimica Nova</i> , <b>2012</b> , 35, 1872-1878	1.6	29
107	Synthesis and characterization of aniline copolymers containing carboxylic groups and their application as sensitizer and hole conductor in solar cells. <i>Synthetic Metals</i> , <b>2009</b> , 159, 2348-2354	3.6	29
106	Application of a composite polymer electrolyte based on montmorillonite in dye-sensitized solar cells. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 688-696	1.5	28
105	Boosting the solar-light-driven methanol production through CO <sub>2</sub> photoreduction by loading Cu <sub>2</sub> O on TiO <sub>2</sub> -pillared K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> . <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 234, 1-11	5.3	27
104	Understanding the Role of Reduced Graphene Oxide in the Electrolyte of Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 23368-23376	3.8	26
103	Nanocomposites based on MWCNT and styrene-butadiene-ethylene block copolymers: Effect of the preparation method on dispersion and polymer-filler interactions. <i>Composites Science and Technology</i> , <b>2012</b> , 72, 1487-1492	8.6	25
102	Synthesis and characterization of ZnO and ZnO:Ga films and their application in dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2008</b> , 1487-91	4.3	25
101	Preparation and characterization of core-shell electrodes for application in gel electrolyte-based dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 1468-1474	6.7	24
100	Exploring the formation of formamidinium-based hybrid perovskites by antisolvent methods: in situ GIWAXS measurements during spin coating. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 2287-2297	5.8	23
99	Conduction and photoelectrochemical properties of monomeric and electropolymerized tetraruthenated porphyrin films. <i>Photochemical and Photobiological Sciences</i> , <b>2005</b> , 4, 359-66	4.2	23
98	Bi electrodeposition on WO <sub>3</sub> photoanode to improve the photoactivity of the WO <sub>3</sub> /BiVO <sub>4</sub> heterostructure to water splitting. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125836	14.7	22
97	Investigation of new PPV-type polymeric materials containing fluorene and thiophene units and their application in organic solar cells. <i>Synthetic Metals</i> , <b>2010</b> , 160, 1654-1661	3.6	22
96	Revealing the Perovskite Film Formation Using the Gas Quenching Method by In Situ GIWAXS: Morphology, Properties, and Device Performance. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007473	15.6	22
95	Contrasting photoelectrochemical behaviour of two isomeric supramolecular dyes based on meso-tetra(pyridyl)porphyrin incorporating four (β-oxo)-triruthenium(III) clusters. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 1167	3.6	21
94	Long-Term Stability of Dye-Sensitized Solar Cells Assembled with Cobalt Polymer Gel Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17577-17585	3.8	20
93	In Situ 2D Perovskite Formation and the Impact of the 2D/3D Structures on Performance and Stability of Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900199	7.1	19
92	Effect of dimensionality on the optical absorption properties of CsPbI <sub>3</sub> perovskite nanocrystals. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 191103	3.9	19

91	Electrochromic devices based on poly(3-methylthiophene) and various secondary electrochromic materials. <i>Solar Energy Materials and Solar Cells</i> , <b>2010</b> , 94, 1338-1345	6.4	18
90	Solid-state photoelectrochemical cell using a polythiophene derivative as photoactive electrode. <i>Solar Energy Materials and Solar Cells</i> , <b>2001</b> , 69, 315-323	6.4	18
89	Device Performance of Emerging Photovoltaic Materials (Version 2). <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 1025-1026	1.8	17
88	Nanocomposites of gold and poly(3-hexylthiophene) containing fullerene moieties: Synthesis, characterization and application in solar cells. <i>Journal of Power Sources</i> , <b>2012</b> , 215, 99-108	8.9	16
87	Synthesis, characterization and introduction of a new ion-coordinating ruthenium sensitizer dye in quasi-solid state TiO <sub>2</sub> solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 222, 185-191	4.7	16
86	Electrochemical synthesis, characterization and photophysics of a poly(fluorenylene vinylene) derivative. <i>Synthetic Metals</i> , <b>2006</b> , 156, 104-109	3.6	16
85	Investigation of the structural properties of poly(ethylene oxide) copolymer as gel polymer electrolyte and durability test in dye-sensitized solar cells. <i>Ionics</i> , <b>2015</b> , 21, 1771-1780	2.7	15
84	Connecting the (quantum) dots: towards hybrid photovoltaic devices based on chalcogenide gels. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 15180-4	3.6	15
83	On the possibility of using embedded electrodes for the measurement of dielectric properties in organic coatings. <i>Progress in Organic Coatings</i> , <b>2007</b> , 59, 186-191	4.8	15
82	Dye-sensitized solar cells and solar module using polymer electrolytes: Stability and performance investigations. <i>International Journal of Photoenergy</i> , <b>2006</b> , 2006, 1-6	2.1	15
81	Degradation mechanisms in mixed-cation and mixed-halide Cs <sub>x</sub> FA <sub>1-x</sub> Pb(Br <sub>y</sub> I <sub>1-y</sub> ) <sub>3</sub> perovskite films under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9302-9312	13	14
80	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , <b>2022</b> , 6, 8-15	27.8	14
79	Photophysical and photovoltaic properties of a polymerfullerene system containing CdSe nanoparticles. <i>Synthetic Metals</i> , <b>2013</b> , 164, 69-77	3.6	13
78	Enhancing Hematite Photoanode Activity for Water Oxidation by Incorporation of Reduced Graphene Oxide. <i>ChemPhysChem</i> , <b>2016</b> , 17, 170-7	3.2	13
77	Revealing the Role of Tin(IV) Halides in the Anisotropic Growth of CsPbX Perovskite Nanoplates. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11501-11509	16.4	13
76	Understanding perovskite formation through the intramolecular exchange method in ambient conditions. <i>Journal of Photonics for Energy</i> , <b>2017</b> , 7, 022002	1.2	12
75	Synthesis of Polycrystalline Ruddlesden-Popper Organic Lead Halides and Their Growth Dynamics. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9472-9479	9.6	12
74	Synthesis and characterization of single wall carbon nanotube-grafted poly(3-hexylthiophene) and their nanocomposites with gold nanoparticles. <i>Synthetic Metals</i> , <b>2013</b> , 176, 55-64	3.6	12

73	Layered metal halide perovskite solar cells: A review from structure-properties perspective towards maximization of their performance and stability. <i>EcoMat</i> , <b>2021</b> , 3, e12124	9.4	12
72	Unraveling the role of single layer graphene as overlayer on hematite photoanodes. <i>Journal of Catalysis</i> , <b>2019</b> , 372, 109-118	7.3	11
71	The role of photonics in energy. <i>Journal of Photonics for Energy</i> , <b>2015</b> , 5, 050997	1.2	11
70	Tailoring the interface using thiophene small molecules in TiO <sub>2</sub> /P3HT hybrid solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 11990-3	3.6	11
69	Stepped light-induced transient measurements of photocurrent and voltage in dye-sensitized solar cells based on ZnO and ZnO:Ga. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 064316	2.5	11
68	Enhanced photoresponse of poly(3-methylthiophene) supported on TiO <sub>2</sub> . <i>Electrochemistry Communications</i> , <b>1999</b> , 1, 262-265	5.1	11
67	Influence of the Vibrational Modes from the Organic Moieties in 2D Lead Halides on Excitonic Recombination and Phase Transition. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001431	8.1	11
66	Influence of DNA and DNA-PEDOT: PSS on dye sensitized solar cell performance. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 627, 38-48	0.5	10
65	Design, synthesis and characterization of 1,8-naphthalimide based fullerene derivative as electron transport material for inverted perovskite solar cells. <i>Synthetic Metals</i> , <b>2019</b> , 249, 25-30	3.6	9
64	Quasi-solid electrolyte with polyamidoamine dendron modified-talc applied to dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 161-170	8.9	9
63	On the behavior of the carboxyphenylterpyridine(8-quinolinolate) thiocyanatoruthenium(II) complex as a new black dye in TiO <sub>2</sub> solar cells modified with carboxymethyl-beta-cyclodextrin. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 36, 35-38	3.1	9
62	Assembly Considerations for Dye-Sensitized Solar Modules with Polymer Gel Electrolyte. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 10278-10285	3.9	9
61	Multidimensional coherent spectroscopy reveals triplet state coherences in cesium lead-halide perovskite nanocrystals. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	9
60	Pillaring and NiOx co-catalyst loading as alternatives for the photoactivity enhancement of K <sub>2</sub> Ti <sub>4</sub> O <sub>9</sub> towards water splitting. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 958-967	5.8	8
59	Excited state spectroscopy in polymer fullerene photovoltaic devices under operation conditions. <i>Synthetic Metals</i> , <b>2003</b> , 139, 577-580	3.6	8
58	Charge recombination in CuPc/PTCDA thin films. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 11693-6	3.4	8
57	Postpassivation of Multication Perovskite with Rubidium Butyrate. <i>ACS Photonics</i> , <b>2020</b> , 7, 2282-2291	6.3	8
56	Stabilizing Dendron-Modified Talc-Based Electrolyte for Quasi-Solid Dye-Sensitized Solar Cell. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 413-421	6.7	7

55	Gel Electrolytes with Polyamidopyridine Dendron Modified Talc for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20454-20466	9.5	7
54	Printed single-walled carbon-nanotubes-based counter electrodes for dye-sensitized solar cells with copper-based redox mediators. <i>Semiconductor Science and Technology</i> , <b>2019</b> , 34, 105001	1.8	7
53	Photoelectrochemical properties of poly(terthiophene) films modified with a fullerene derivative. <i>Thin Solid Films</i> , <b>2006</b> , 515, 2644-2649	2.2	7
52	Compositional heterogeneity in Cs <sub>1-x</sub> Fa <sub>x</sub> Pb(Br <sub>1-x</sub> I <sub>x</sub> ) <sub>3</sub> perovskite films and its impact on phase behavior. <i>Energy and Environmental Science</i> ,	35.4	7
51	Novel zero-dimensional lead-free bismuth based perovskites: from synthesis to structural and optoelectronic characterization. <i>Materials Advances</i> , <b>2020</b> , 1, 3439-3448	3.3	7
50	Study of open circuit voltage loss mechanism in perovskite solar cells. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SBBF13	1.4	7
49	Synthesis of C60-containing Polymers by Ring-opening Metathesis Co-polymerization of a C60-cyclopentadiene Cycloadduct and N-(cycloheptyl)-endo-norbornene-5,6-dicarboximide and their Application in a Photovoltaic Device. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2013</b> , 21, 198-212	1.8	6
48	Efficient dye-sensitized solar cells based on the combination of ZnO nanorods and microflowers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6432-8	1.3	6
47	Photoelectrochemical properties of PAni-DBSA/EPDM blends. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1569-1570	3.6	6
46	Engineering interfacial modification on nanocrystalline hematite photoanodes: A close look into the efficiency parameters. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 208, 110377	6.4	6
45	Toward Engineering Intrinsic Line Widths and Line Broadening in Perovskite Nanoplatelets. <i>ACS Nano</i> , <b>2021</b> , 15, 6499-6506	16.7	6
44	Three-Dimensional Superlattice of PbS Quantum Dots in Flakes. <i>ACS Omega</i> , <b>2018</b> , 3, 2027-2032	3.9	5
43	The Thermomechanical Properties of Thermally Evaporated Bismuth Triiodide Thin Films. <i>Scientific Reports</i> , <b>2019</b> , 9, 11785	4.9	5
42	Hybrid silicon/P3HT solar cells based on an interfacial modification with a molecular thiophene layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 2657-2661	1.6	5
41	Conjugated copolymers based on poly(fluorenylene vinylene) derivatives containing push-pull units: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 223-230	4.4	5
40	Low-Temperature Blade-Coated Perovskite Solar Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 7145-7154	3.9	5
39	Synthesis and characterization of vinazene end capped dipyrrolo[2,3-b:2',3'-e]pyrazine-2,6(1H,5H)-dione small molecules as non-fullerene acceptors for bulk heterojunction organic solar cells. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 240, 122176	4.4	5
38	Effect of the incorporation of poly(ethylene oxide) copolymer on the stability of perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9697-9706	7.1	4



37	Morphology and topography analysis of mesoporous titania templated by micrometric latex sphere arrays. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 152, 84-95	5.3	4
36	Transparent Conducting Oxide-Free Dye-Sensitized Solar Cells Based Solely on Flexible Foils. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 9700-9703	3.9	4
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25	Hybrid nanostructured solar cells based on the incorporation of inorganic nanoparticles in polymer-fullerene mixtures <b>2010</b> ,		3
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15	Polymer electrolytes for dye-sensitized solar cells <b>2010</b> , 381-430		2
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5	SnO <sub>2</sub> as thin conformal layer over BiVO <sub>4</sub> surface for enhanced charge carrier separation towards O <sub>2</sub> evolution from water oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 5211-5219	6.7	0
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