Ana F Nogueira

List of Publications by Year
in descending order

185	8,189	53660 45	51492 86
papers	citations	h-index	g-index

193	193	193	10466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. Nature Energy, 2020, 5, 35-49.	19.8	797
2	Efficient Luminescence from Perovskite Quantum Dot Solids. ACS Applied Materials & Interfaces, 2015, 7, 25007-25013.	4.0	481
3	Polymers in dye sensitized solar cells: overview and perspectives. Coordination Chemistry Reviews, 2004, 248, 1455-1468.	9.5	409
4	Dye-Sensitized Nanocrystalline Solar Cells Employing a Polymer Electrolyte. Advanced Materials, 2001, 13, 826-830.	11.1	368
5	Amineâ€Free Synthesis of Cesium Lead Halide Perovskite Quantum Dots for Efficient Lightâ€Emitting Diodes. Advanced Functional Materials, 2016, 26, 8757-8763.	7.8	344
6	Solid-State and Flexible Dye-Sensitized TiO2Solar Cells:Â a Study by Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 5925-5930.	1.2	300
7	New insights into dye-sensitized solar cells with polymer electrolytes. Journal of Materials Chemistry, 2009, 19, 5279.	6.7	264
8	Charge Recombination in Conjugated Polymer/Fullerene Blended Films Studied by Transient Absorption Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 1567-1573.	1.2	197
9	Efficient Biexciton Interaction in Perovskite Quantum Dots Under Weak and Strong Confinement. ACS Nano, 2016, 10, 8603-8609.	7.3	190
10	Transient optical studies of charge recombination dynamics in a polymer/fullerene composite at room temperature. Applied Physics Letters, 2002, 81, 3001-3003.	1.5	189
11	Electron Transfer Dynamics in Dye Sensitized Nanocrystalline Solar Cells Using a Polymer Electrolyte. Journal of Physical Chemistry B, 2001, 105, 7517-7524.	1.2	155
12	Progress on Electrolytes Development in Dye-Sensitized Solar Cells. Materials, 2019, 12, 1998.	1.3	152
13	Dye-sensitized solar cells employing polymers. Progress in Polymer Science, 2016, 59, 1-40.	11.8	136
14	Structural Origins of Light-Induced Phase Segregation in Organic-Inorganic Halide Perovskite Photovoltaic Materials. Matter, 2020, 2, 207-219.	5.0	128
15	In Situ Analysis Reveals the Role of 2D Perovskite in Preventing Thermal-Induced Degradation in 2D/3D Perovskite Interfaces. Nano Letters, 2020, 20, 3992-3998.	4.5	95
16	All-polymeric electrochromic and photoelectrochemical devices: new advances. Electrochimica Acta, 2001, 46, 4243-4249.	2.6	94
17	Device Performance of Emerging Photovoltaic Materials (Version 1). Advanced Energy Materials, 2021, 11, 2002774.	10.2	93
18	Electrochemical and Structural Characterization of Polymer Gel Electrolytes Based on a PEO Copolymer and an Imidazolium-Based Ionic Liquid for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2009, 1, 2870-2877.	4.0	89

#	Article	IF	Citations
19	The effects of CdSe incorporation into bulk heterojunction solar cells. Journal of Materials Chemistry, 2010, 20, 4845.	6.7	89
20	Dye-sensitized solar cells based on TiO2 nanotubes and a solid-state electrolyte. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 153-160.	2.0	86
21	A comprehensive review of the application of chalcogenide nanoparticles in polymer solar cells. Nanoscale, 2014, 6, 6371-6397.	2.8	86
22	A dye sensitized TiO2 photovoltaic cell constructed with an elastomeric electrolyte. Solar Energy Materials and Solar Cells, 2000, 61, 135-141.	3.0	84
23	Nanocrystalline anatase TiO₂/reduced graphene oxide composite films as photoanodes for photoelectrochemical water splitting studies: the role of reduced graphene oxide. Physical Chemistry Chemical Physics, 2016, 18, 2608-2616.	1.3	83
24	Two-Photon Absorption and Two-Photon-Induced Gain in Perovskite Quantum Dots. Journal of Physical Chemistry Letters, 2018, 9, 3478-3484.	2.1	82
25	Nanoscale mapping of chemical composition in organic-inorganic hybrid perovskite films. Science Advances, 2019, 5, eaaw6619.	4.7	79
26	A novel nanocomposite based on TiO2/Cu2O/reduced graphene oxide with enhanced solar-light-driven photocatalytic activity. Applied Surface Science, 2015, 324, 419-431.	3.1	76
27	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. Journal of Power Sources, 2010, 195, 1246-1255.	4.0	71
28	Thermoelectric properties of V2O5 thin films deposited by thermal evaporation. Applied Surface Science, 2013, 282, 590-594.	3.1	71
29	Solid-state dye-sensitized solar cell: Improved performance and stability using a plasticized polymer electrolyte. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 226-232.	2.0	69
30	Surface Photovoltage Measurements on a Particle Tandem Photocatalyst for Overall Water Splitting. Nano Letters, 2018, 18, 805-810.	4.5	69
31	Polymer Solar Cells Using Single-Wall Carbon Nanotubes Modified with Thiophene Pedant Groups. Journal of Physical Chemistry C, 2007, 111, 18431-18438.	1.5	68
32	Enhanced photovoltaic performance of inverted hybrid bulk-heterojunction solar cells using TiO 2 /reduced graphene oxide films as electron transport layers. Journal of Photonics for Energy, 2015, 5, 057408.	0.8	66
33	Device Performance of Emerging Photovoltaic Materials (Version 2). Advanced Energy Materials, 2021, 11, .	10.2	66
34	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. Joule, 2022, 6, 8-15.	11.7	66
35	Cross-linked gel polymer electrolyte containing multi-wall carbon nanotubes for application in dye-sensitized solar cells. Journal of Power Sources, 2012, 208, 263-270.	4.0	65
36	Dye-sensitized solar cell architecture based on indiumâ€“tin oxide nanowires coated with titanium dioxide. Scripta Materialia, 2007, 57, 277-280.	2.6	64

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37	Enhancement of photocurrent generation and open circuit voltage in dye-sensitized solar cells using Li+ trapping species in the gel electrolyte. Chemical Communications, 2008, , 1121.	2.2	64
38	The role of gel electrolyte composition in the kinetics and performance of dye-sensitized solar cells. Electrochimica Acta, 2008, 53, 7166-7172.	2.6	60
39	Study of photoelectrochemical water splitting using composite films based on TiO 2 nanoparticles and nitrogen or boron doped hollow carbon spheres as photoanodes. Journal of Molecular Catalysis A, 2016, 422, 165-174.	4.8	57
40	A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 4425.	6.7	55
41	Sensitization of TiO2 by Supramolecules Containing Zinc Porphyrins and Rutheniumâ^'Polypyridyl Complexes. Inorganic Chemistry, 2004, 43, 396-398.	1.9	53
42	Conductivity and mechanical properties of composites based on MWCNTs and styreneâ€butadieneâ€styrene blockâ„¢ copolymers. Journal of Applied Polymer Science, 2009, 112, 3241-3248.	1.3	53
43	ZnO nanostructures directly grown on paper and bacterial cellulose substrates without any surface modification layer. Chemical Communications, 2013, 49, 8096.	2.2	52
44	Humidity-Induced Photoluminescence Hysteresis in Variable Cs/Br Ratio Hybrid Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 3463-3469.	2.1	50
45	Poly(ethylene oxide-co-epichlorohydrin)/NaI: a promising polymer electrolyte for photoelectrochemical cells. Solid State Ionics, 2001, 140, 327-335.	1.3	49
46	Solid-state photoelectrochemical device using poly(o-methoxy aniline) as sensitizer and an ionic conductive elastomer as electrolyte. Synthetic Metals, 1999, 105, 23-27.	2.1	46
47	Flexible photoelectrochemical devices based on conducting polymers. Synthetic Metals, 2000, 108, 151-157.	2.1	45
48	Solar module using dye-sensitized solar cells with a polymer electrolyte. Solar Energy Materials and Solar Cells, 2008, 92, 1110-1114.	3.0	45
49	PreparaÃ§Ã£o de nanopartÃculas de prata e ouro: um mÃ©todo simples para a introduÃ§Ã£o da nanociÃªncia em laboratÃ³rio de ensino. Quimica Nova, 2012, 35, 1872-1878.	0.3	44
50	Inverted organic solar cells using nanocellulose as substrate. Journal of Applied Polymer Science, 2016, 133, .	1.3	44
51	Synthesis and characterization of a quaternary nanocomposite based on TiO₂/CdS/rGO/Pt and its application in the photoreduction of CO₂ to methane under visible light. RSC Advances, 2015, 5, 33914-33922.	1.7	43
52	Bi electrodeposition on WO3 photoanode to improve the photoactivity of the WO3/BiVO4 heterostructure to water splitting. Chemical Engineering Journal, 2020, 399, 125836.	6.6	41
53	Revealing the Perovskite Film Formation Using the Gas Quenching Method by In Situ GIWAXS: Morphology, Properties, and Device Performance. Advanced Functional Materials, 2021, 31, 2007473.	7.8	40
54	Photoelectrochemical properties of supramolecular species containing porphyrin and ruthenium complexes on TiO2 films. Photochemical and Photobiological Sciences, 2004, 3, 56.	1.6	38

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55	Exploring the formation of formamidinium-based hybrid perovskites by antisolvent methods: in situ GIWAXS measurements during spin coating. Sustainable Energy and Fuels, 2019, 3, 2287-2297.	2.5	38
56	A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. New Journal of Chemistry, 2005, 29, 320-324.	1.4	37
57	Boosting the solar-light-driven methanol production through CO 2 photoreduction by loading Cu 2 O on TiO 2 -pillared K 2 Ti 4 O 9. Microporous and Mesoporous Materials, 2016, 234, 1-11.	2.2	37
58	Doping saturation in dye-sensitized solar cells based on ZnO:Ga nanostructured photoanodes. Electrochimica Acta, 2011, 56, 6503-6509.	2.6	36
59	Enhancing in the performance of dye-sensitized solar cells by the incorporation of functionalized multi-walled carbon nanotubes into TiO2 films: The role of MWCNT addition. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 251, 78-84.	2.0	36
60	Application of a composite polymer electrolyte based on montmorillonite in dye-sensitized solar cells. Journal of the Brazilian Chemical Society, 2008, 19, 688-696.	0.6	35
61	Preparation of conducting polyanilines doped with Keggin-type polyoxometalates and their application as counter electrode in dye-sensitized solar cells. Journal of Materials Science, 2010, 45, 5054-5060.	1.7	35
62	Understanding the Role of Reduced Graphene Oxide in the Electrolyte of Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2016, 120, 23368-23376.	1.5	35
63	Synthesis and characterization of aniline copolymers containing carboxylic groups and their application as sensitizer and hole conductor in solar cells. Synthetic Metals, 2009, 159, 2348-2354.	2.1	34
64	Carbon nanotubeâ€“polybithiophene photovoltaic devices with high open-circuit voltage. Physica Status Solidi - Rapid Research Letters, 2007, 1, R43-R45.	1.2	33
65	Nanocomposites based on MWCNT and styreneâ€“butadieneâ€“styrene block copolymers: Effect of the preparation method on dispersion and polymerâ€“filler interactions. Composites Science and Technology, 2012, 72, 1487-1492.	3.8	30
66	In Situ 2D Perovskite Formation and the Impact of the 2D/3D Structures on Performance and Stability of Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900199.	3.1	30
67	Long-Term Stability of Dye-Sensitized Solar Cells Assembled with Cobalt Polymer Gel Electrolyte. Journal of Physical Chemistry C, 2017, 121, 17577-17585.	1.5	28
68	Layered metal halide perovskite solar cells: A review from structureâ€properties perspective towards maximization of their performance and stability. EcoMat, 2021, 3, e12124.	6.8	27
69	Synthesis and characterization of ZnO and ZnO:Ga films and their application in dye-sensitized solar cells. Dalton Transactions, 2008, , 1487.	1.6	26
70	Preparation and characterization of core-shell electrodes for application in gel electrolyte-based dye-sensitized solar cells. Electrochimica Acta, 2010, 55, 1468-1474.	2.6	26
71	Effect of dimensionality on the optical absorption properties of CsPbI3 perovskite nanocrystals. Journal of Chemical Physics, 2019, 151, 191103.	1.2	26
72	Degradation mechanisms in mixed-cation and mixed-halide Cs_xFA_{1â^'x}Pb(Br_yI_{1â^'y})₃ perovskite films under ambient conditions. Journal of Materials Chemistry A, 2020, 8, 9302-9312.	5.2	26

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73	Conduction and photoelectrochemical properties of monomeric and electropolymerized tetraruthenated porphyrin films. Photochemical and Photobiological Sciences, 2005, 4, 359.	1.6	24
74	Investigation of new PPV-type polymeric materials containing fluorene and thiophene units and their application in organic solar cells. Synthetic Metals, 2010, 160, 1654-1661.	2.1	24
75	Multidimensional coherent spectroscopy reveals triplet state coherences in cesium lead-halide perovskite nanocrystals. Science Advances, 2021, 7, .	4.7	24
76	Contrasting photoelectrochemical behaviour of two isomeric supramolecular dyes based on meso-tetra(pyridyl)porphyrin incorporating four (Î¼3-oxo)- triruthenium(iii) clusters. New Journal of Chemistry, 2008, 32, 1167.	1.4	23
77	Revealing the Role of Tin(IV) Halides in the Anisotropic Growth of CsPbX₃ Perovskite Nanoplates. Angewandte Chemie - International Edition, 2020, 59, 11501-11509.	7.2	22
78	Compositional heterogeneity in Cs_yFA_{1â^'y}Pb(Br_xI_{1â^'x})₃ perovskite films and its impact on phase behavior. Energy and Environmental Science, 2021, 14, 6394-6405.	15.6	20
79	Electrochemical synthesis, characterization and photophysics of a poly(fluorenylene vinylene) derivative. Synthetic Metals, 2006, 156, 104-109.	2.1	19
80	Electrochromic devices based on poly(3-methylthiophene) and various secondary electrochromic materials. Solar Energy Materials and Solar Cells, 2010, 94, 1338-1345.	3.0	19
81	Novel zero-dimensional lead-free bismuth based perovskites: from synthesis to structural and optoelectronic characterization. Materials Advances, 2020, 1, 3439-3448.	2.6	19
82	Influence of the Vibrational Modes from the Organic Moieties in 2D Lead Halides on Excitonic Recombination and Phase Transition. Advanced Optical Materials, 2020, 8, 2001431.	3.6	19
83	Recent developments in perovskite-based precursor inks for scalable architectures of perovskite solar cell technology. Sustainable Energy and Fuels, 2022, 6, 2879-2900.	2.5	19
84	Solid-state photoelectrochemical cell using a polythiophene derivative as photoactive electrode. Solar Energy Materials and Solar Cells, 2001, 69, 315-323.	3.0	18
85	Nanocomposites of gold and poly(3-hexylthiophene) containing fullerene moieties: Synthesis, characterization and application in solar cells. Journal of Power Sources, 2012, 215, 99-108.	4.0	18
86	The role of photonics in energy. Journal of Photonics for Energy, 2015, 5, 050997.	0.8	18
87	Synthesis of Polycrystalline Ruddlesdenâ€“Popper Organic Lead Halides and Their Growth Dynamics. Chemistry of Materials, 2019, 31, 9472-9479.	3.2	18
88	Synthesis, characterization and introduction of a new ion-coordinating ruthenium sensitizer dye in quasi-solid state TiO2 solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 185-191.	2.0	17
89	Printed single-walled carbon-nanotubes-based counter electrodes for dye-sensitized solar cells with copper-based redox mediators. Semiconductor Science and Technology, 2019, 34, 105001.	1.0	17
90	Toward Engineering Intrinsic Line Widths and Line Broadening in Perovskite Nanoplatelets. ACS Nano, 2021, 15, 6499-6506.	7.3	17

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91	Low-Temperature Blade-Coated Perovskite Solar Cells. Industrial & Engineering Chemistry Research, 2021, 60, 7145-7154.	1.8	17
92	On the possibility of using embedded electrodes for the measurement of dielectric properties in organic coatings. Progress in Organic Coatings, 2007, 59, 186-191.	1.9	16
93	Connecting the (quantum) dots: towards hybrid photovoltaic devices based on chalcogenide gels. Physical Chemistry Chemical Physics, 2012, 14, 15180.	1.3	16
94	Investigation of the structural properties of poly(ethylene oxide) copolymer as gel polymer electrolyte and durability test in dye-sensitized solar cells. Ionics, 2015, 21, 1771-1780.	1.2	16
95	Dye-sensitized solar cells and solar module using polymer electrolytes: Stability and performance investigations. International Journal of Photoenergy, 2006, 2006, 1-6.	1.4	15
96	Revealing the Transient Formation Dynamics and Optoelectronic Properties of 2D Ruddlesdenâ€Popper Phases on 3D Perovskites. Advanced Energy Materials, 2023, 13, .	10.2	14
97	Photophysical and photovoltaic properties of a polymerâ€“fullerene system containing CdSe nanoparticles. Synthetic Metals, 2013, 164, 69-77.	2.1	13
98	Enhancing Hematite Photoanode Activity for Water Oxidation by Incorporation of Reduced Graphene Oxide. ChemPhysChem, 2016, 17, 170-177.	1.0	13
99	Assembly Considerations for Dye-Sensitized Solar Modules with Polymer Gel Electrolyte. Industrial & Engineering Chemistry Research, 2016, 55, 10278-10285.	1.8	13
100	Pillaring and NiO_x co-catalyst loading as alternatives for the photoactivity enhancement of K₂Ti₄O₉ towards water splitting. Sustainable Energy and Fuels, 2018, 2, 958-967.	2.5	13
101	Unraveling the role of single layer graphene as overlayer on hematite photoanodes. Journal of Catalysis, 2019, 372, 109-118.	3.1	13
102	Enhanced photoresponse of poly(3-methylthiophene) supported on TiO2. Electrochemistry Communications, 1999, 1, 262-265.	2.3	12
103	Tailoring the interface using thiophene small molecules in TiO2/P3HT hybrid solar cells. Physical Chemistry Chemical Physics, 2012, 14, 11990.	1.3	12
104	Synthesis and characterization of single wall carbon nanotube-grafted poly(3-hexylthiophene) and their nanocomposites with gold nanoparticles. Synthetic Metals, 2013, 176, 55-64.	2.1	12
105	Understanding perovskite formation through the intramolecular exchange method in ambient conditions. Journal of Photonics for Energy, 2017, 7, 022002.	0.8	12
106	Perovskite solar cells based on polyaniline derivatives as hole transport materials. JPhys Energy, 2019, 1, 015004.	2.3	12
107	Engineering interfacial modification on nanocrystalline hematite photoanodes: A close look into the efficiency parameters. Solar Energy Materials and Solar Cells, 2020, 208, 110377.	3.0	12
108	Stepped light-induced transient measurements of photocurrent and voltage in dye-sensitized solar cells based on ZnO and ZnO:Ga. Journal of Applied Physics, 2009, 106, .	1.1	11

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109	Influence of DNA and DNA-PEDOT: PSS on dye sensitized solar cell performance. Molecular Crystals and Liquid Crystals, 2016, 627, 38-48.	0.4	11
110	Postpassivation of Multication Perovskite with Rubidium Butyrate. ACS Photonics, 2020, 7, 2282-2291.	3.2	11
111	Study of open circuit voltage loss mechanism in perovskite solar cells. Japanese Journal of Applied Physics, 2021, 60, SBBF13.	0.8	11
112	Improving the Stability and Efficiency of Perovskite Solar Cells by a Bidentate Anilinium Salt. Jacs Au, 2022, 2, 1306-1312.	3.6	11
113	On the behavior of the carboxyphenylterpyridine(8-quinolinolate) thiocyanatoruthenium(II) complex as a new black dye in TiO2 solar cells modified with carboxymethyl-beta-cyclodextrin. Inorganic Chemistry Communication, 2013, 36, 35-38.	1.8	10
114	Design, synthesis and characterization of 1,8-naphthalimide based fullerene derivative as electron transport material for inverted perovskite solar cells. Synthetic Metals, 2019, 249, 25-30.	2.1	10
115	Excited state spectroscopy in polymer fullerene photovoltaic devices under operation conditions. Synthetic Metals, 2003, 139, 577-580.	2.1	9
116	Organic Solar Cells with Boron- or Nitrogen-Doped Carbon Nanotubes in the P3HTâ€‰:â€‰PCBM Photoactive Layer. Journal of Nanomaterials, 2016, 2016, 1-11.	1.5	9
117	Quasi-solid electrolyte with polyamidoamine dendron modified-talc applied to dye-sensitized solar cells. Journal of Power Sources, 2016, 325, 161-170.	4.0	9
118	Reduced graphene oxide in perovskite solar cells: the influence on film formation, photophysics, performance, and stability. Journal of Materials Chemistry C, 2021, 9, 14648-14658.	2.7	9
119	Charge Recombination in CuPc/PTCDA Thin Films. Journal of Physical Chemistry B, 2005, 109, 11693-11696.	1.2	8
120	Photoelectrochemical properties of poly(terthiophene) films modified with a fullerene derivative. Thin Solid Films, 2006, 515, 2644-2649.	0.8	8
121	Gel Electrolytes with Polyamidopyridine Dendron Modified Talc for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 20454-20466.	4.0	8
122	Synthesis and characterization of vinazene end capped dipyrrolo[2,3-b:2â€²,3â€²-e]pyrazine-2,6(1H,5H)-dione small molecules as non-fullerene acceptors for bulk heterojunction organic solar cells. Materials Chemistry and Physics, 2020, 240, 122176.	2.0	8
123	Effect of the incorporation of poly(ethylene oxide) copolymer on the stability of perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 9697-9706.	2.7	8
124	Challenges and prospects about the graphene role in the design of photoelectrodes for sunlight-driven water splitting. RSC Advances, 2021, 11, 14374-14398.	1.7	8
125	Stabilizing Dendron-Modified Talc-Based Electrolyte for Quasi-Solid Dye-Sensitized Solar Cell. Electrochimica Acta, 2017, 228, 413-421.	2.6	7
126	The Thermomechanical Properties of Thermally Evaporated Bismuth Triiodide Thin Films. Scientific Reports, 2019, 9, 11785.	1.6	7

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127	Hematite Nanorods Photoanodes Decorated by Cobalt Hexacyanoferrate: The Role of Mixed Oxidized States on the Enhancement of Photoelectrochemical Performance. ACS Applied Energy Materials, 2020, 3, 10097-10107.	2.5	7
128	Photoelectrochemical properties of PAni-DBSA/EPDM blends. Synthetic Metals, 2001, 121, 1569-1570.	2.1	6
129	Efficient Dye-Sensitized Solar Cells Based on the Combination of ZnO Nanorods and Microflowers. Journal of Nanoscience and Nanotechnology, 2010, 10, 6432-6438.	0.9	6
130	Polymer electrolytes for dye-sensitized solar cells. , 2010, , 381-430.		6
131	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. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 198-212.	1.0	6
132	Hybrid silicon/P3HT solar cells based on an interfacial modification with a molecular thiophene layer. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2657-2661.	0.8	6
133	SOLAR CELLS SENSITIZED WITH NATURAL DYES: AN INTRODUCTORY EXPERIMENT ABOUT SOLAR ENERGY FOR UNDERGRADUATE STUDENTS. Quimica Nova, 2015, , .	0.3	6
134	Photo and electroluminescence of a phenylene vinylene conjugated polymer containing bipirydine units and chelated europium complex. Journal of Luminescence, 2021, 230, 117764.	1.5	6
135	Influence of reaction time on properties of regioregular poly(3-hexylthiophene) by the Grignard metathesis polymerization. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5037-5048.	2.0	6
136	Charge recombination dynamics in a polymer/fullerene bulk heterojunction studied by transient absorption spectroscopy. Synthetic Metals, 2003, 137, 1505-1506.	2.1	5
137	Conjugated copolymers based on poly(fluorenylene vinylene) derivatives containing pushâ€“pull units: Synthesis and characterization. Materials Chemistry and Physics, 2011, 130, 223-230.	2.0	5
138	Transparent Conducting Oxide-Free Dye-Sensitized Solar Cells Based Solely on Flexible Foils. Industrial & Engineering Chemistry Research, 2012, 51, 9700-9703.	1.8	5
139	Three-Dimensional Superlattice of PbS Quantum Dots in Flakes. ACS Omega, 2018, 3, 2027-2032.	1.6	5
140	Thermal and electrochemical characterization of a new poly (ethylene oxide) copolymerâ€”gel electrolyte containing polyvalent ion pair of cobalt (CoII/III) or iron (FeII/III). Journal of Solid State Electrochemistry, 2018, 22, 1591-1605.	1.2	5
141	Double Perovskite Single-Crystal Photoluminescence Quenching and Resurge: The Role of Cu Doping on its Photophysics and Crystal Structure. Journal of Physical Chemistry Letters, 2021, 12, 10444-10449.	2.1	5
142	SnO2 as thin conformal layer over BiVO4 surface for enhanced charge carrier separation towards O2 evolution from water oxidation. International Journal of Hydrogen Energy, 2022, 47, 5211-5219.	3.8	5
143	Single-Wall Carbon Nanotubes Chemically Modified with Cysteamine and Their Application in Polymer Solar Cells: Influence of the Chemical Modification on Device Performance. Journal of Nanoscience and Nanotechnology, 2009, 9, 5850-5859.	0.9	4
144	Photoelectrochemical, photophysical and morphological studies of electrostatic layer-by-layer thin films based on poly(p-phenylenevinylene) and single-walled carbon nanotubes. Photochemical and Photobiological Sciences, 2011, 10, 1766.	1.6	4

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145	Morphology and topography analysis of mesoporous titania templated by micrometric latex sphere arrays. Microporous and Mesoporous Materials, 2012, 152, 84-95.	2.2	4
146	Incorporation of nanocrystals with different dimensionalities in hybrid TiO2/ P 3 HT solar cells. Journal of Photonics for Energy, 2015, 5, 057407.	0.8	4
147	Self-Organized Lead(II) Sulfide Quantum Dots Superlattice. MRS Advances, 2017, 2, 841-846.	0.5	4
148	Application of Graphene and Graphene Derivatives/Oxide Nanomaterials for Solar Cells. , 2018, , 395-437.		4
149	Shades of transparency. Nature Energy, 2020, 5, 428-429.	19.8	4
150	Synthesis of novel low bandgap random and block terpolymers with improved performance in organic solar cells. Journal of Materials Research and Technology, 2021, 10, 51-65.	2.6	4
151	Hybrid nanostructured solar cells based on the incorporation of inorganic nanoparticles in polymer-fullerene mixtures. , 2010, , .		3
152	Hybrid photovoltaic devices based on chalcogenide nanostructures. , 2012, , .		3
153	Nanostructured hybrid materials based on reduced graphene oxide for solar energy conversion. , 2016, , .		3
154	Hybrid Solar Cells: Effects of the Incorporation of Inorganic Nanoparticles into Bulk Heterojunction Organic Solar Cells. , 2018, , 1-68.		3
155	Revealing the Role of Tin(IV) Halides in the Anisotropic Growth of CsPbX 3 Perovskite Nanoplates. Angewandte Chemie, 2020, 132, 11598-11606.	1.6	3
156	Incorporation of Inorganic Nanoparticles into Bulk Heterojunction Organic Solar Cells. , 2013, , 1-47.		2
157	ETSâ€'10 Modified with CuxO Nanoparticles and Their Application for the Conversion of CO2 and Water into Oxygenates. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
158	Light-induced halide segregation in perovskites with wrinkled morphology. Journal of Energy Chemistry, 2022, 71, 83-88.	7.1	2
159	Ga-Modified Nanostructured ZnO: Characterization and Application in Dye-Sensitized Solar Cells. Materials Science Forum, 2008, 591-593, 13-17.	0.3	1
160	Special Section Guest Editorial: Hybrid Organic-Inorganic Solar Cells. Journal of Photonics for Energy, 2015, 5, 057401.	0.8	1
161	Bio-inspired materials for electrochemical devices. , 2015, , .		1
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