

Niyazi S Sariciftci

List of Publications by Year in descending order

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593
papers

57,438
citations

1704

104
h-index

1254

226
g-index

618
all docs

618
docs citations

618
times ranked

33555
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared absorbing hydrogen-bonded dithioketopyrrolopyrrole (DTPP) n-type semiconductors. <i>Dyes and Pigments</i> , 2022, 197, 109884.	3.7	7
2	Benzoporphyrinâ€Based Nanocomposites for Photoelectrochemical O ₂ Reduction. <i>Israel Journal of Chemistry</i> , 2022, 62, .	2.3	0
3	The Impact of Chiral Citronellylâ€Functionalization on Indolenine and Anilino Squaraine Thin Films. <i>Israel Journal of Chemistry</i> , 2022, 62, .	2.3	3
4	Substrate and pHâ€dependent homogeneous electrocatalysis using riboflavin for oxygen reduction. <i>Electrochemical Science Advances</i> , 2022, 2, .	2.8	3
5	Nanometer-Thick Thiophene Monolayers as Templates for the Gas-Phase Epitaxy of Poly(3,4-Ethylenedioxythiophene) Films on Gold: Implications for Organic Electronics. <i>ACS Applied Nano Materials</i> , 2022, 5, 3194-3200.	5.0	1
6	Antraquinone and its derivatives as sustainable materials for electrochemical applications â€ a joint experimental and theoretical investigation of the redox potential in solution. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 16207-16219.	2.8	11
7	Lanthanide (Eu, Tb, La)-Doped ZnO Nanoparticles Synthesized Using Whey as an Eco-Friendly Chelating Agent. <i>Nanomaterials</i> , 2022, 12, 2265.	4.1	3
8	High-performance Coll-phthalocyanine-based polymer for practical heterogeneous electrochemical reduction of carbon dioxide. <i>Electrochimica Acta</i> , 2021, 367, 137506.	5.2	12
9	Low Band Gap Conjugated Semiconducting Polymers. <i>Advanced Materials Technologies</i> , 2021, 6, 2000857.	5.8	112
10	Single-Component Organic Solar Cells Based on Intramolecular Charge Transfer Photoabsorption. <i>Materials</i> , 2021, 14, 1200.	2.9	10
11	Revealing the electrocatalytic behaviour by a novel rotating ring-disc electrode (RRDE) subtraction method: A case-study on oxygen reduction using anthraquinone sulfonate. <i>Electrochemistry Communications</i> , 2021, 125, 106988.	4.7	6
12	Overcoming intra-molecular repulsions in PEDTT by sulphate counter-ion. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 985-997.	6.1	5
13	Tunable Properties of Nature-Inspired N,Nâ€2-Alkylated Riboflavin Semiconductors. <i>Molecules</i> , 2021, 26, 27.	3.8	10
14	Immobilized Poly(antraquinones) for Electrochemical Energy Storage Applications: Structureâ€Property Relations. <i>ChemElectroChem</i> , 2021, 8, 4360-4370.	3.4	4
15	Highly fluorescent thin films formation by water-enhanced colloidal perovskite nanoparticles. , 2021, , .		0
16	Cofunction of Protons as Dopant and Reactant Activate the Electrocatalytic Hydrogen Evolution in Emeraldineâ€Polyguanine. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901364.	3.7	7
17	Controlling Quantum Confinement in Luminescent Perovskite Nanoparticles for Optoelectronic Devices by the Addition of Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 1242-1249.	5.0	21
18	Immobilized Enzymes on Graphene as Nanobiocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 250-259.	8.0	56

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19	Conducting Polymer-Based Biocomposites Using Deoxyribonucleic Acid (DNA) as Counterion. <i>Advanced Materials Technologies</i> , 2020, 5, 1900699.	5.8	13
20	Localizing Binding Sites on Bioconjugated Hydrogen-Bonded Organic Semiconductors at the Nanoscale. <i>ChemPhysChem</i> , 2020, 21, 659-666.	2.1	3
21	Impedance Spectroscopy of Perovskite Solar Cells: Studying the Dynamics of Charge Carriers Before and After Continuous Operation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000291.	1.8	54
22	Are Polyaniline and Polypyrrole Electrocatalysts for Oxygen (O_2) Reduction to Hydrogen Peroxide (H_2O_2)?. <i>ACS Applied Energy Materials</i> , 2020, 3, 10611-10618.	5.1	30
23	Synthesis conditions influencing formation of MAPbBr ₃ perovskite nanoparticles prepared by the ligand-assisted precipitation method. <i>Scientific Reports</i> , 2020, 10, 15720.	3.3	26
24	Purity of organic semiconductors as a key factor for the performance of organic electronic devices. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3678-3689.	5.9	23
25	Designing Ultraflexible Perovskite X-Ray Detectors through Interface Engineering. <i>Advanced Science</i> , 2020, 7, 2002586.	11.2	44
26	Anti-Stokes photoluminescence study on a methylammonium lead bromide nanoparticle film. <i>Nanoscale</i> , 2020, 12, 16556-16561.	5.6	8
27	Universal Transfer Printing of Micelle-Templated Nanoparticles Using Plasma-Functionalized Graphene. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46530-46538.	8.0	4
28	Substrate-assisted Transfer of Nanoparticles by Graphene on Metal-Organic Interfaces. , 2020, , .		0
29	Metal-Free Hydrogen-Bonded Polymers Mimic Noble Metal Electrocatalysts. <i>Advanced Materials</i> , 2020, 32, e1902177.	21.0	24
30	Mechanically Interlocked Carbon Nanotubes as a Stable Electrocatalytic Platform for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32615-32621.	8.0	25
31	Enhanced methane producing microbial electrolysis cells for wastewater treatment using poly(neutral red) and chitosan modified electrodes. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4238-4248.	4.9	15
32	Efficient heterogeneous catalysis by pendant metalloporphyrin-functionalized polythiophenes for the electrochemical reduction of carbon dioxide. <i>New Journal of Chemistry</i> , 2020, 44, 12486-12495.	2.8	4
33	Light-Sensitive Material Structure-Electrical Performance Relationship for Optical Memory Transistors Incorporating Photochromic Dihetarylenes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32987-32993.	8.0	9
34	CO ₂ Recycling: The Conversion of Renewable Energy into Chemical Fuels. , 2020, 1, .		0
35	Indigoidine - Biosynthesized organic semiconductor. <i>Dyes and Pigments</i> , 2019, 171, 107768.	3.7	13
36	Stability of Selected Hydrogen Bonded Semiconductors in Organic Electronic Devices. <i>Chemistry of Materials</i> , 2019, 31, 6315-6346.	6.7	55

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37	Improving the Performance of Perovskite Solar Cells using a Polyphosphazene Interfacing Layer. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900436.	1.8	9
38	Acetylacetone Improves the Performance of Mixed Halide Perovskite Solar Cells. Journal of Physical Chemistry C, 2019, 123, 23807-23816.	3.1	12
39	Cyclic Peptide Stabilized Lead Halide Perovskite Nanoparticles. Scientific Reports, 2019, 9, 12966.	3.3	10
40	Proteinogenic Amino Acid Assisted Preparation of Highly Luminescent Hybrid Perovskite Nanoparticles. ACS Applied Nano Materials, 2019, 2, 4267-4274.	5.0	26
41	Persistent radical anions in the series of peri-arylenes: broadband light absorption until far in the NIR and purely organic magnetism. Monatshefte für Chemie, 2019, 150, 885-900.	1.8	4
42	Photoconductive Properties of Dibenzotetrathiafulvalene-Tetracyanoquinodimethane (DBTTF-TCNQ) Nanorods Prepared by the Reprecipitation Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 4599-4602.	0.9	2
43	High temperature-stability of organic thin-film transistors based on quinacridone pigments. Organic Electronics, 2019, 66, 53-57.	2.6	24
44	Enhanced Bioelectrochemical Reduction of Carbon Dioxide by Using Neutral Red as a Redox Mediator. ChemBioChem, 2019, 20, 1196-1205.	2.6	35
45	The influence of perovskite precursor composition on the morphology and photovoltaic performance of mixed halide MAPbI ₃ -xCl _x solar cells. Solar Energy, 2018, 163, 215-223.	6.1	36
46	Nanofibrous cobalt oxide for electrocatalysis of CO ₂ reduction to carbon monoxide and formate in an acetonitrile-water electrolyte solution. Applied Catalysis B: Environmental, 2018, 229, 163-170.	20.2	63
47	Photoelectrocatalytic Synthesis of Hydrogen Peroxide by Molecular Copper-Porphyrin Supported on Titanium Dioxide Nanotubes. ChemCatChem, 2018, 10, 1793-1797.	3.7	26
48	Direct Electrical Neurostimulation with Organic Pigment Photocapacitors. Advanced Materials, 2018, 30, e1707292.	21.0	109
49	Metallic conductivity beyond the Mott minimum in PEDOT: Sulphate at low temperatures. Synthetic Metals, 2018, 240, 59-66.	3.9	19
50	Size control of CH ₃ NH ₃ PbBr ₃ perovskite cuboid fine crystals synthesized by ligand-free reprecipitation method. Microsystem Technologies, 2018, 24, 619-623.	2.0	2
51	Chemical vapor deposition - based synthesis of conductive polydopamine thin-films. Thin Solid Films, 2018, 645, 320-325.	1.8	51
52	Synthesis and investigation of tetraphenyltetrabenzoporphyrins for electrocatalytic reduction of carbon dioxide. Sustainable Energy and Fuels, 2018, 2, 2747-2753.	4.9	6
53	X-ray study of anisotropically shaped metal halide perovskite nanoparticles in tubular pores. Applied Physics Letters, 2018, 113, 251901.	3.3	0
54	Ellipsometric Spectroelectrochemistry: An in Situ Insight in the Doping of Conjugated Polymers. Journal of Physical Chemistry C, 2018, 122, 24309-24320.	3.1	10

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55	Application of MIS-CELIV technique to measure hole mobility of hole-transport material for organic light-emitting diodes. AIP Advances, 2018, 8, 105001.	1.3	17
56	Novel Riboflavin-Inspired Conjugated Bio-Organic Semiconductors. Molecules, 2018, 23, 2271.	3.8	20
57	An electron-reservoir Re(I) complex for enhanced efficiency for reduction of CO ₂ to CO. Journal of Catalysis, 2018, 363, 191-196.	6.2	22
58	Degradation kinetics in different polymer–fullerene blends investigated by electron spin resonance. Journal of Materials Research, 2018, 33, 1853-1859.	2.6	9
59	Anthraquinone thin-film electrodes for reversible CO ₂ capture and release. Journal of Materials Chemistry A, 2018, 6, 15095-15101.	10.3	27
60	Inverted (p–i–n) perovskite solar cells using a low temperature processed TiO _x interlayer. RSC Advances, 2018, 8, 24836-24846.	3.6	17
61	4.15 Solar Cells. , 2018, , 637-658.		4
62	Optical and electronic properties of mixed halide (X = I, Cl, Br) methylammonium lead perovskite solar cells. Journal of Materials Chemistry C, 2017, 5, 1714-1723.	5.5	120
63	Organic Microboxes Prepared by Self-assembly of a Charge-transfer Dye. Chemistry Letters, 2017, 46, 557-559.	1.3	2
64	Adamantane substitutions: a path to high-performing, soluble, versatile and sustainable organic semiconducting materials. Journal of Materials Chemistry C, 2017, 5, 4716-4723.	5.5	39
65	Electrochemical self-assembly of CuSCN-DAST hybrid thin films. Monatshefte Für Chemie, 2017, 148, 845-854.	1.8	7
66	Magnetic Field Effects on the Current of PCPDTBT-based Diode. Journal of Physical Chemistry C, 2017, 121, 11727-11732.	3.1	6
67	Anderson–Localization and the Mott–Ioffe–Regel Limit in Glassy–Metallic PEDOT. Advanced Electronic Materials, 2017, 3, 1700050.	5.1	34
68	Enhancing the c-TiO ₂ based perovskite solar cell performance via modification by a serial of boronic acid derivative self-assembled monolayers. Applied Surface Science, 2017, 423, 521-527.	6.1	22
69	Organic, Organometallic and Bioorganic Catalysts for Electrochemical Reduction of CO ₂ . ChemPhysChem, 2017, 18, 3094-3116.	2.1	29
70	Electrochemical Capture and Release of CO ₂ in Aqueous Electrolytes Using an Organic Semiconductor Electrode. ACS Applied Materials & Interfaces, 2017, 9, 12919-12923.	8.0	20
71	Increase in electron scattering length in PEDOT:PSS by a triflic acid post-processing. Monatshefte Für Chemie, 2017, 148, 871-877.	1.8	5
72	Biocatalytic and Bioelectrocatalytic Approaches for the Reduction of Carbon Dioxide using Enzymes. Energy Technology, 2017, 5, 812-821.	3.8	64

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73	Carbon dioxide conversion to synthetic fuels using biocatalytic electrodes. Journal of Materials Chemistry A, 2017, 5, 2429-2443.	10.3	44
74	Doping-Induced Polaron Formation and Solid-State Polymerization in Benzoporphyrinâ€“Oligothiophene Conjugated Systems. Journal of Physical Chemistry C, 2017, 121, 24397-24407.	3.1	9
75	Biofunctionalized conductive polymers enable efficient CO ₂ electroreduction. Science Advances, 2017, 3, e1700686.	10.3	89
76	Confining metal-halide perovskites in nanoporous thin films. Science Advances, 2017, 3, e1700738.	10.3	103
77	Cellular interfaces with hydrogen-bonded organic semiconductor hierarchical nanocrystals. Nature Communications, 2017, 8, 91.	12.8	51
78	Bioâ€“Electrocatalytic Application of Microorganisms for Carbon Dioxide Reduction to Methane. ChemSusChem, 2017, 10, 226-233.	6.8	33
79	Microwave-assisted Hydrothermal Synthesis of Structure-controlled ZnO Nanocrystals and Their Properties in Dye-sensitized Solar Cells. Electrochemistry, 2017, 85, 253-261.	1.4	18
80	Electrochemical Reduction of Carbon Dioxide to Methanol by Direct Injection of Electrons into Immobilized Enzymes on a Modified Electrode. ChemSusChem, 2016, 9, 631-635.	6.8	79
81	Hydrogenâ€“Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis. Advanced Functional Materials, 2016, 26, 5248-5254.	14.9	115
82	Synthesis and Investigation of N,Nâ€“TM-benzylated Epindolidione Derivatives as Organic Semiconductors. ChemistrySelect, 2016, 1, 6349-6355.	1.5	2
83	Photoelectrochemical Reduction of CO ₂ Using Third-Generation Conjugated Polymers. ChemistrySelect, 2016, 1, 1156-1162.	1.5	18
84	Photocatalysis: Hydrogen-Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis (Adv. Funct. Mater. 29/2016). Advanced Functional Materials, 2016, 26, 5247-5247.	14.9	1
85	Photovoltaic cells based on ternary P3HT:PCBM:polymethine dye active layer transparent in the visible range of light. Applied Surface Science, 2016, 389, 419-427.	6.1	18
86	Systematic Investigation of Porphyrinâ€“Thiophene Conjugates for Ternary Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2016, 6, 1600957.	19.5	25
87	Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. Synthetic Metals, 2016, 221, 67-74.	3.9	32
88	Influence of molecular designs on polaronic and vibrational transitions in a conjugated push-pull copolymer. Scientific Reports, 2016, 6, 35096.	3.3	14
89	Spectroscopic characterization of charge carriers of the organic semiconductor quinacridone compared with pentacene during redox reactions. Journal of Materials Chemistry C, 2016, 4, 10265-10278.	5.5	15
90	Improvement of Catalytic Activity by Nanofibrous CuInS ₂ for Electrochemical CO ₂ Reduction. ACS Applied Materials & Interfaces, 2016, 8, 31695-31701.	8.0	24

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91	Local order drives the metallic state in PEDOT:PSS. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6982-6987.	5.5	19
92	Solution processed perovskite solar cells using highly conductive PEDOT:PSS interfacial layer. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 318-325.	6.2	69
93	Factors determining large observed increases in power conversion efficiency of P3HT:PCBM solar cells embedded with MoS ₂ nanowires. <i>Synthetic Metals</i> , 2016, 212, 105-112.	3.9	16
94	The Role of Heteroatoms Leading to Hydrogen Bonds in View of Extended Chemical Stability of Organic Semiconductors. <i>Advanced Functional Materials</i> , 2015, 25, 6679-6688.	14.9	24
95	Spectroelectrochemical Studies on Quinacridone by Using Poly(vinyl alcohol) Coating as Protection Layer. <i>ChemPhysChem</i> , 2015, 16, 2206-2210.	2.1	7
96	Ambipolar inverters with natural origin organic materials as gate dielectric and semiconducting layer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 358-361.	2.4	8
97	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. <i>Chemistry Letters</i> , 2015, 44, 1128-1130.	1.3	5
98	Electrocatalytic Reduction of Carbon Dioxide using Sol-gel Processed Copper Indium Sulfide (CIS) Immobilized on ITO-Coated Glass Electrode. <i>Electrocatalysis</i> , 2015, 6, 405-413.	3.0	14
99	Iodide-Capped PbS Quantum Dots: Full Optical Characterization of a Versatile Absorber. <i>Advanced Materials</i> , 2015, 27, 1533-1539.	21.0	14
100	Direct Electrochemical Addressing of Immobilized Alcohol Dehydrogenase for the Heterogeneous Bioelectrocatalytic Reduction of Butyraldehyde to Butanol. <i>ChemCatChem</i> , 2015, 7, 967-971.	3.7	18
101	Conducting materials prepared by the oxidation of p-phenylenediamine with p-benzoquinone. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2653-2664.	2.5	13
102	Reversible Photochemical Isomerization of <i>N,N</i> -Di(<i>t</i> -butoxycarbonyl)indigos. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3563-3568.	2.5	29
103	Using the Alkynyl-Substituted Rhenium(I) Complex (4,4'-Bisphenyl-Ethynyl-2,2'-Bipyridyl)Re(CO) ₃ Cl as Catalyst for CO ₂ Reduction—Synthesis, Characterization, and Application. <i>Electrocatalysis</i> , 2015, 6, 185-197.	3.0	22
104	CuI as versatile hole-selective contact for organic solar cell based on anthracene-containing PPE-PPV. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 369-374.	6.2	35
105	Enhanced near-infrared response of nano- and microstructured silicon/organic hybrid photodetectors. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	16
106	Flexible high power-per-weight perovskite solar cells with chromium oxide—metal contacts for improved stability in air. <i>Nature Materials</i> , 2015, 14, 1032-1039.	27.5	807
107	A polydiacetylene—nested porphyrin conjugate for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2015, 39, 9228-9233.	2.8	7
108	Colloidal CuZnSnSe ₄ nanocrystals for hybrid solar cells. <i>Optical Materials</i> , 2015, 39, 103-109.	3.6	22

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109	Polycyclic anthanthrene small molecules: semiconductors for organic field-effect transistors and solar cells applications. Journal of Materials Chemistry C, 2015, 3, 601-606.	5.5	34
110	Role of recombination, dissociation, and competition between exciton-charge reactions in magnetoconductance of polymeric semiconductor device. Journal of Applied Physics, 2014, 116, 183901.	2.5	8
111	Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description. Physical Review B, 2014, 90, .	3.2	22
112	Substrateâ€œOriented Nanorod Scaffolds in Polymerâ€œFullerene Bulk Heterojunction Solar Cells. ChemPhysChem, 2014, 15, 1070-1075.	2.1	12
113	Twoâ€œElectron Carbon Dioxide Reduction Catalyzed by Rhenium(I) Bis(imino)acenaphthene Carbonyl Complexes. ChemSusChem, 2014, 7, 1347-1351.	6.8	23
114	Photoinduced Energy Transfer from Poly(2-vinylcarbazole) to Tricarbonylchloroâ€œ(2,2â€œbipyridyl)rhenium(I). ChemPhysChem, 2014, 15, 3634-3638.	2.1	8
115	Localized photovoltaic investigations on organic semiconductors and bulk heterojunction solar cells. Science and Technology of Advanced Materials, 2014, 15, 054201.	6.1	1
116	Fabrication and characterization of green light emitting diode. Turkish Journal of Physics, 2014, 38, 509-515.	1.1	1
117	Laser ultrasonic receivers based on organic photorefractive polymer composites. Applied Physics B: Lasers and Optics, 2014, 114, 509-515.	2.2	16
118	Photoresistance and photo induced current hysteresis in bulk heterojunction systems P3HTâ€œPCBMâ€œpolymethine dye. Organic Electronics, 2014, 15, 1105-1112.	2.6	21
119	Photosensitivity of top gate C60 based OFETs: Potential applications for high efficiency organic photodetector. Organic Electronics, 2014, 15, 175-181.	2.6	25
120	Origin of Electric Field Dependence of the Charge Mobility and Spatial Energy Correlations in C60-Based Field Effect Transistors. Molecular Crystals and Liquid Crystals, 2014, 589, 18-28.	0.9	3
121	4% Efficient Polymer Solar Cells on Paper Substrates. Journal of Physical Chemistry C, 2014, 118, 16813-16817.	3.1	85
122	Direct Electrochemical Capture and Release of Carbon Dioxide Using an Industrial Organic Pigment: Quinacridone. Angewandte Chemie - International Edition, 2014, 53, 6819-6822.	13.8	64
123	Anthraceneâ€œcontaining conjugated polymer showing four optical transitions upon doping: A spectroscopic study. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 338-346.	2.1	9
124	White organic light emitting diodes based on fluorene-carbazole dendrimers. Journal of Luminescence, 2014, 146, 6-10.	3.1	10
125	Photoelectrochemical scanning droplet cell microscopy for localized photovoltaic investigations on organic semiconductors. Physical Chemistry Chemical Physics, 2014, 16, 3739.	2.8	11
126	Polydiacetylene-nested porphyrin as a potential light harvesting component in bulk heterojunction solar cells. RSC Advances, 2014, 4, 3045-3050.	3.6	18

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127	A Comparison of Pyridazine and Pyridine as Electrocatalysts for the Reduction of Carbon Dioxide to Methanol. ChemElectroChem, 2014, 1, 1543-1548.	3.4	41
128	Air-stable organic semiconductors based on 6,6'-dithienylindigo and polymers thereof. Journal of Materials Chemistry C, 2014, 2, 8089-8097.	5.5	56
129	Hydrogen-bonded diketopyrrolopyrrole (DPP) pigments as organic semiconductors. Organic Electronics, 2014, 15, 3521-3528.	2.6	99
130	Rhodium-Coordinated Poly(arylene-ethynylene)- <i>alt</i> -Poly(arylene-vinylene) Copolymer Acting as Photocatalyst for Visible-Light-Powered NAD ⁺ /NADH Reduction. Journal of the American Chemical Society, 2014, 136, 12721-12729.	13.7	70
131	Sol-gel derived In ₂ S ₃ buffer layers for inverted organic photovoltaic cells. Solar Energy, 2014, 108, 230-237.	6.1	30
132	Electrochemical Self-Assembly of Nanostructured CuSCN/Rhodamine B Hybrid Thin Film and Its Dye-Sensitized Photocathodic Properties. Journal of Physical Chemistry C, 2014, 118, 16581-16590.	3.1	28
133	Hydrogen-Bonded Organic Semiconductor Micro- And Nanocrystals: From Colloidal Syntheses to (Opto-)Electronic Devices. Journal of the American Chemical Society, 2014, 136, 16522-16532.	13.7	75
134	(Photo)physical Properties of New Molecular Glasses End-Capped with Thiophene Rings Composed of Diimide and Imine Units. Journal of Physical Chemistry C, 2014, 118, 13070-13086.	3.1	39
135	Photoelectrochemical and Electrochemical Characterization of Sub-Micro-Gram Amounts of Organic Semiconductors Using Scanning Droplet Cell Microscopy. Journal of Physical Chemistry C, 2014, 118, 16919-16926.	3.1	12
136	Inverted bulk-heterojunction solar cell with cross-linked hole-blocking layer. Organic Electronics, 2014, 15, 997-1001.	2.6	41
137	Effect of Varying Thiophene Units on Charge Transport and Photovoltaic Properties of Poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Ov 2.2 3 215, 1473-1484.	2.2	3
138	Improved Photovoltaic Performance of PPV-Based Copolymers Using Optimized Fullerene-Based Counterparts. Advanced Energy Materials, 2013, 3, 161-166.	19.5	23
139	Surface morphology, optical properties and conductivity changes of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by using additives. Thin Solid Films, 2013, 536, 211-215.	1.8	97
140	Ultrathin, highly flexible and stretchable PLEDs. Nature Photonics, 2013, 7, 811-816.	31.4	832
141	On the potential of porphyrin-spiked triarylamine stars for bulk heterojunction solar cells. Journal of Materials Chemistry A, 2013, 1, 10524.	10.3	20
142	Reprint of: Ultrafast photoinduced electron transfer in conducting polymer-buckminsterfullerene composites. Chemical Physics Letters, 2013, 589, 63-66.	2.6	4
143	Comparative study of arylene bisimides substituted with imidazole side group for different dielectrics on the OFET application. Synthetic Metals, 2013, 172, 5-10.	3.9	6
144	Dielectric Function of Undoped and Doped Poly[2-methoxy-5-(3,7-dimethyloctyloxy)-1,4-phenylene-vinylene] by Ellipsometry in a Wide Spectral Range. Journal of Physical Chemistry C, 2013, 117, 22010-22016.	3.1	18

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145	Doping-Induced Immobile Charge Carriers in Polyazomethine: A Spectroscopic Study. Journal of Physical Chemistry C, 2013, 117, 2584-2589.	3.1	24
146	Electrochemical characterization of sub-micro-gram amounts of organic semiconductors using scanning droplet cell microscopy. Journal of Electroanalytical Chemistry, 2013, 691, 77-82.	3.8	22
147	Optical and electrical properties of electrochemically doped organic field effect transistors. Journal of Luminescence, 2013, 134, 107-112.	3.1	19
148	Characterization of local electrochemical doping of high performance conjugated polymer for photovoltaics using scanning droplet cell microscopy. Electrochimica Acta, 2013, 113, 834-839.	5.2	13
149	Temperature dependent charge transport in organic field-effect transistors with the variation of both carrier concentration and electric field. Journal Physics D: Applied Physics, 2013, 46, 495105.	2.8	15
150	Historical perspective on: Ultrafast photoinduced electron transfer in conducting polymerâ€”buckminsterfullerene composites [Volume 213, Issues 3â€”4, 8 October 1993, Pages 389â€”394]. Chemical Physics Letters, 2013, 589, 61-62.	2.6	1
151	Hydrogenâ€”Bonded Semiconducting Pigments for Airâ€”Stable Fieldâ€”Effect Transistors. Advanced Materials, 2013, 25, 1563-1569.	21.0	218
152	Electrocatalytic Reduction of Carbon Dioxide to Carbon Monoxide by a Polymerized Film of an Alkynylâ€”Substituted Rhenium(I) Complex. ChemCatChem, 2013, 5, 1790-1796.	3.7	47
153	Natural resin shellac as a substrate and a dielectric layer for organic field-effect transistors. Green Chemistry, 2013, 15, 1473.	9.0	99
154	Hydrogen-bonds in molecular solids â€” from biological systems to organic electronics. Journal of Materials Chemistry B, 2013, 1, 3742.	5.8	264
155	Efficiency of bulk-heterojunction organic solar cells. Progress in Polymer Science, 2013, 38, 1929-1940.	24.7	881
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