

Menny Shalom

List of Publications by Year in descending order

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135
papers

11,298
citations

28190

55
h-index

29081

104
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139
all docs

139
docs citations

139
times ranked

12113
citing authors

#	ARTICLE	IF	CITATIONS
1	Alcohol oxidation with high efficiency and selectivity by nickel phosphide phases. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8238-8244.	5.2	20
2	One-Pot Synthesis of CoS ₂ Merged in Polymeric Carbon Nitride Films for Photoelectrochemical Water Splitting. <i>ChemSusChem</i> , 2022, 15, .	3.6	29
3	Carbon-Doped Porous Polymeric Carbon Nitride with Enhanced Visible Light Photocatalytic and Photoelectrochemical Performance. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	9
4	Ultrathin mesoporous graphitic carbon nitride nanosheets with functional cyano group decoration and nitrogen-vacancy defects for an efficient selective CO ₂ photoreduction. <i>Nanoscale</i> , 2021, 13, 12634-12641.	2.8	21
5	Photocatalytic degradation of organic pollutants through conjugated poly(azomethine) networks based on terthiophene-naphthalimide assemblies. <i>RSC Advances</i> , 2021, 11, 2701-2705.	1.7	7
6	Design of melem-based supramolecular assemblies for the synthesis of polymeric carbon nitrides with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17855-17864.	5.2	22
7	Low-Temperature Synthesis of Solution Processable Carbon Nitride Polymers. <i>Molecules</i> , 2021, 26, 1646.	1.7	11
8	Carbon Nitride-Based Photoanode with Enhanced Photostability and Water Oxidation Kinetics. <i>Advanced Functional Materials</i> , 2021, 31, 2101724.	7.8	29
9	Light on peroxide. <i>Nature Catalysis</i> , 2021, 4, 350-351.	16.1	12
10	Facile Synthesis of Carbon-Sulfur Scaffold with Transition-Metal Sulfides and Oxides as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2021, 13, 3749-3753.	1.8	6
11	Fluorescent Carbon Nitride Macrostructures Derived from Triazine-Based Cocrystals. <i>Advanced Optical Materials</i> , 2021, 9, 2100683.	3.6	8
12	Unraveling the Mechanisms of Electrocatalytic Oxygenation and Dehydrogenation of Organic Molecules to Value-Added Chemicals Over a Ni-Fe Oxide Catalyst. <i>Advanced Energy Materials</i> , 2021, 11, 2101858.	10.2	51
13	Titanium Vacancies in TiO ₂ Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 14202-14208.	1.7	16
14	Titanium Vacancies in TiO ₂ Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 14142-14142.	1.7	1
15	Synergistic Doping and Surface Decoration of Carbon Nitride Macrostructures by Single Crystal Design. <i>ACS Applied Energy Materials</i> , 2021, 4, 1868-1875.	2.5	12
16	Molten state synthesis of nickel phosphides: mechanism and composition-activity correlation for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27629-27638.	5.2	9
17	Supramolecular organization of melem for the synthesis of photoactive porous carbon nitride rods. <i>Nanoscale</i> , 2021, 13, 19511-19517.	2.8	18
18	Modifying Crystallinity, Morphology, and Photophysical Properties of Carbon Nitride by Using Crystals as Reactants. <i>Israel Journal of Chemistry</i> , 2020, 60, 544-549.	1.0	4

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19	Rich surface hydroxyl design for nanostructured TiO ₂ and its hole-trapping effect. <i>Chemical Engineering Journal</i> , 2020, 400, 125909.	6.6	43
20	Direct growth of uniform carbon nitride layers with extended optical absorption towards efficient water-splitting photoanodes. <i>Nature Communications</i> , 2020, 11, 4701.	5.8	87
21	Highly Efficient Polymeric Carbon Nitride Photoanode with Excellent Electron Diffusion Length and Hole Extraction Properties. <i>Nano Letters</i> , 2020, 20, 4618-4624.	4.5	63
22	Polymeric carbon nitrides and related metal-free materials for energy and environmental applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11075-11116.	5.2	142
23	Electrophoretic deposition of supramolecular complexes for the formation of carbon nitride films. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3879-3883.	2.5	14
24	Controllable Synthesis of Carbon Nitride Films with Type-II Heterojunction for Efficient Photoelectrochemical Cells. <i>Chemistry of Materials</i> , 2020, 32, 5845-5853.	3.2	39
25	Bottom-Up Synthesis of Advanced Carbonaceous Anode Materials Containing Sulfur for Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2000592.	7.8	37
26	Photoactive Graphitic Carbon Nitride-Based Gel Beads As Recyclable Photocatalysts. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3346-3354.	2.0	23
27	Electrophoretic deposition of antimonene for photoelectrochemical applications. <i>Applied Materials Today</i> , 2020, 20, 100714.	2.3	11
28	Bismuthiolate-Mediated Synthesis of Ordered Carbon Nitride Nanosheets with Enhanced Photocatalytic Performance. <i>Solar Rrl</i> , 2020, 4, 2000017.	3.1	9
29	Electronic Structure Engineering of Carbon Nitride Materials by Using Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2020, 26, 6622-6628.	1.7	15
30	Synthesis of metal-free lightweight materials with sequence-encoded properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8752-8760.	5.2	7
31	Kohlenstoffnitridmaterialien für photochemische Zellen zur Wasserspaltung. <i>Angewandte Chemie</i> , 2019, 131, 6198-6211.	1.6	19
32	Carbon Nitride Materials for Water Splitting Photoelectrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6138-6151.	7.2	205
33	Coordination-Directed Growth of Transition-Metal-Crystalline Carbon Composites with Controllable Metal Composition. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14964-14968.	7.2	12
34	Coordination-Directed Growth of Transition-Metal-Crystalline Carbon Composites with Controllable Metal Composition. <i>Angewandte Chemie</i> , 2019, 131, 15106-15110.	1.6	2
35	Salt-Assisted Synthesis of 3D Porous g-C ₃ N ₄ as a Bifunctional Photo- and Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27226-27232.	4.0	89
36	Freestanding Hierarchical Carbon Nitride/Carbon-Paper Electrode as a Photoelectrocatalyst for Water Splitting and Dye Degradation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29139-29146.	4.0	24

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37	Solution-Processable Carbon Nitride Polymers for Photoelectrochemical Applications. <i>Small Methods</i> , 2019, 3, 1900401.	4.6	38
38	A Heterogeneous Carbon Nitride-Nickel Photocatalyst for Efficient Low-Temperature CO ₂ Methanation. <i>Advanced Energy Materials</i> , 2019, 9, 1902738.	10.2	58
39	Condensation of Supramolecular Assemblies at Low Temperatures as a Tool for the Preparation of Photoactive C ₃ N ₃ O Materials. <i>ChemCatChem</i> , 2019, 11, 6295-6300.	1.8	13
40	Covalent Organic Framework Films through Electrophoretic Deposition-Creating Efficient Morphologies for Catalysis. <i>Chemistry of Materials</i> , 2019, 31, 10008-10016.	3.2	63
41	Conjugated Carbon Nitride as an Emerging Luminescent Material: Quantum Dots, Thin Films and Their Applications in Imaging, Sensing, Optoelectronic Devices and Photoelectrochemistry. <i>ChemPhotoChem</i> , 2019, 3, 170-179.	1.5	38
42	Nickel phosphide decorated with trace amount of platinum as an efficient electrocatalyst for the alkaline hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2006-2014.	2.5	23
43	Graphene oxide in carbon nitride: from easily processed precursors to a composite material with enhanced photoelectrochemical activity and long-term stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11718-11723.	5.2	30
44	Low-Cost Porous Ruthenium Layer Deposited on Nickel Foam as a Highly Active Universal-pH Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 2780-2787.	3.6	34
45	Tailoring carbon nitride properties and photoactivity by interfacial engineering of hydrogen-bonded frameworks. <i>Nanoscale</i> , 2019, 11, 5564-5570.	2.8	21
46	Robust Carbon Nitride-Based Thermoset Coatings for Surface Modification and Photochemistry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9462-9469.	4.0	40
47	2D/2D Graphitic Carbon Nitride/Antimonene Heterostructure: Structural Characterization and Application in Photocatalysis. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800138.	2.7	30
48	Unprecedented Centimeter-Long Carbon Nitride Needles: Synthesis, Characterization and Applications. <i>Small</i> , 2018, 14, e1800633.	5.2	64
49	Carbon and Nitrogen Based Nanosheets as Fluorescent Probes with Tunable Emission. <i>Small</i> , 2018, 14, e1800516.	5.2	20
50	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131.	1.6	23
51	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979.	7.2	134
52	Frontispiece: A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	7.2	0
53	Frontispiz: A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
54	Tough high modulus hydrogels derived from carbon-nitride <i>via</i> an ethylene glycol co-solvent route. <i>Soft Matter</i> , 2018, 14, 2655-2664.	1.2	28

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55	Photoactive carbon nitride from melamine hydrochloride supramolecular assembly. <i>Materials Science in Semiconductor Processing</i> , 2018, 73, 78-82.	1.9	23
56	A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1186-1192.	7.2	161
57	A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie</i> , 2018, 130, 1200-1206.	1.6	26
58	Design of a Unique Energy-Band Structure and Morphology in a Carbon Nitride Photocatalyst for Improved Charge Separation and Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 519-530.	3.2	60
59	Rational Design of Carbon Nitride Materials by Supramolecular Preorganization of Monomers. <i>ChemCatChem</i> , 2018, 10, 5573-5586.	1.8	105
60	Ultralong Nanostructured Carbon Nitride Wires and Self-Standing C-Rich Filters from Supramolecular Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39688-39694.	4.0	34
61	A Water-Splitting Carbon Nitride Photoelectrochemical Cell with Efficient Charge Separation and Remarkably Low Onset Potential. <i>Angewandte Chemie</i> , 2018, 130, 16033-16037.	1.6	21
62	A Water-Splitting Carbon Nitride Photoelectrochemical Cell with Efficient Charge Separation and Remarkably Low Onset Potential. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15807-15811.	7.2	85
63	Synthesis of Carbon-Nitrogen-Phosphorous Materials with an Unprecedented High Amount of Phosphorous toward an Efficient Fire-Retardant Material. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9764-9769.	7.2	28
64	Synthesis of Carbon-Nitrogen-Phosphorous Materials with an Unprecedented High Amount of Phosphorous toward an Efficient Fire-Retardant Material. <i>Angewandte Chemie</i> , 2018, 130, 9912-9917.	1.6	1
65	Carbon Nitride/Reduced Graphene Oxide Film with Enhanced Electron Diffusion Length: An Efficient Photo-Electrochemical Cell for Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1800566.	10.2	83
66	Covalent Functionalization of Carbon Nitride Frameworks through Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 14921-14927.	1.7	39
67	Layered Boron-Nitrogen-Carbon-Oxygen Materials with Tunable Composition as Lithium-Ion Battery Anodes. <i>ChemSusChem</i> , 2018, 11, 2912-2920.	3.6	19
68	Halogen-hydrogen bonds: A general synthetic approach for highly photoactive carbon nitride with tunable properties. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 681-688.	10.8	44
69	Toward Efficient Carbon Nitride Photoelectrochemical Cells: Understanding Charge Transfer Processes. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600265.	1.9	24
70	Self-Standing Carbon Nitride-Based Hydrogels with High Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2029-2034.	4.0	69
71	Reinforced Hydrogels via Carbon Nitride Initiated Polymerization. <i>Macromolecules</i> , 2017, 50, 1862-1869.	2.2	58
72	Visible light-driven graphitic carbon nitride (g-C ₃ N ₄) photocatalyzed ketalization reaction in methanol with methylviologen as efficient electron mediator. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 311-315.	10.8	39

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73	C=C Æ Bond Modified Graphitic Carbon Nitride Films for Enhanced Photoelectrochemical Cell Performance. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1005-1012.	1.7	35
74	Reactive Hypersaline Route: One-Pot Synthesis of Porous Photoactive Nanocomposites. <i>Langmuir</i> , 2017, 33, 5213-5222.	1.6	13
75	From Millimeter to Subnanometer: VaporÆSolid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie</i> , 2017, 129, 8546-8550.	1.6	16
76	From Millimeter to Subnanometer: VaporÆSolid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8426-8430.	7.2	90
77	Self-assembled carbon nitride for photocatalytic hydrogen evolution and degradation of p-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 1-10.	10.8	102
78	Conformal Carbon Nitride Coating as an Efficient Hole Extraction Layer for ZnO NanowiresÆBased Photoelectrochemical Cells. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700924.	1.9	26
79	One-Pot Synthesis of Nickel-Modified Carbon Nitride Layers Toward Efficient Photoelectrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32667-32677.	4.0	66
80	Surface polycondensation as an effective tool to activate organic crystals: from æboxedÆ semiconductors for water oxidation to 1d carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18502-18508.	5.2	24
81	Experimental and Theoretical Assessment of NiÆBased Binary Compounds for the Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2017, 7, 1601735.	10.2	77
82	Efficiency Enhancement of Carbon Nitride Photoelectrochemical Cells via Tailored Monomers Design. <i>Advanced Energy Materials</i> , 2016, 6, 1600263.	10.2	116
83	PhenylÆModified Carbon Nitride Quantum Dots with Distinct Photoluminescence Behavior. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3672-3676.	7.2	233
84	PhenylÆModified Carbon Nitride Quantum Dots with Distinct Photoluminescence Behavior. <i>Angewandte Chemie</i> , 2016, 128, 3736-3740.	1.6	31
85	Electrophoretic Deposition of Carbon Nitride Layers for Photoelectrochemical Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13058-13063.	4.0	74
86	Moving Graphitic Carbon Nitride from Electrocatalysis and Photocatalysis to a Potential Electrode Material for Photoelectric Devices. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2499-2512.	1.7	34
87	Disclosing the High Activity of Ceramic Metallics in the Oxygen Evolution Reaction: Nickel Materials as a Case Study. <i>ChemSusChem</i> , 2016, 9, 2928-2932.	3.6	25
88	New Organic Semiconducting Scaffolds by Supramolecular Preorganization: Dye Intercalation and Dye Oxidation and Reduction. <i>Small</i> , 2016, 12, 6090-6097.	5.2	17
89	Carbon nanoarchitectures by design: preÆorganizing squaric acid with urea. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 866-873.	0.8	9
90	Synthesis of Organized Layered Carbon by SelfÆTemplating of Dithioamide. <i>Advanced Materials</i> , 2016, 28, 6727-6733.	11.1	59

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91	Stainless Steel Mesh-Supported NiS Nanosheet Array as Highly Efficient Catalyst for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2016, 8, 5509-5516.	4.0	254
92	“Caffeine Doping” of Carbon/Nitrogen-Based Organic Catalysts: Caffeine as a Supramolecular Edge Modifier for the Synthesis of Photoactive Carbon Nitride Tubes. ChemCatChem, 2015, 7, 2826-2830.	1.8	96
93	The Synthesis of Nanostructured Ni ₅ P ₄ Films and their Use as a Non-Noble Bifunctional Electrocatalyst for Full Water Splitting. Angewandte Chemie - International Edition, 2015, 54, 12361-12365.	7.2	751
94	The Complex Role of Carbon Nitride as a Sensitizer in Photoelectrochemical Cells. Advanced Optical Materials, 2015, 3, 1052-1058.	3.6	41
95	Supramolecular Chemistry in Molten Sulfur: Preorganization Effects Leading to Marked Enhancement of Carbon Nitride Photoelectrochemistry. Advanced Functional Materials, 2015, 25, 6265-6271.	7.8	89
96	The Synthesis of Nanostructured Ni ₅ P ₄ Films and their Use as a Non-Noble Bifunctional Electrocatalyst for Full Water Splitting. Angewandte Chemie, 2015, 127, 12538-12542.	1.6	240
97	Photochemical and electrocatalytic water oxidation activity of cobalt carbodiimide. Journal of Materials Chemistry A, 2015, 3, 5072-5082.	5.2	68
98	Color-Tunable Photoluminescence and NIR Electroluminescence in Carbon Nitride Thin Films and Light-Emitting Diodes. Advanced Optical Materials, 2015, 3, 913-917.	3.6	115
99	Silver Phosphate/Graphitic Carbon Nitride as an Efficient Photocatalytic Tandem System for Oxygen Evolution. ChemSusChem, 2015, 8, 1350-1358.	3.6	178
100	Nickel nitride as an efficient electrocatalyst for water splitting. Journal of Materials Chemistry A, 2015, 3, 8171-8177.	5.2	408
101	A General Salt-Templating Method To Fabricate Vertically Aligned Graphitic Carbon Nanosheets and Their Metal Carbide Hybrids for Superior Lithium Ion Batteries and Water Splitting. Journal of the American Chemical Society, 2015, 137, 5480-5485.	6.6	310
102	Highly Porous Materials as Tunable Electrocatalysts for the Hydrogen and Oxygen Evolution Reaction. Advanced Functional Materials, 2015, 25, 393-399.	7.8	169
103	SiO ₂ /carbon nitride composite materials: The role of surfaces for enhanced photocatalysis. Catalysis Today, 2014, 225, 185-190.	2.2	56
104	Controlled Carbon Nitride Growth on Surfaces for Hydrogen Evolution Electrodes. Angewandte Chemie - International Edition, 2014, 53, 3654-3658.	7.2	187
105	Morphology Control and Photocatalysis Enhancement by the One-Pot Synthesis of Carbon Nitride from Preorganized Hydrogen-Bonded Supramolecular Precursors. Langmuir, 2014, 30, 447-451.	1.6	167
106	<i>In Situ</i> Formation of Heterojunctions in Modified Graphitic Carbon Nitride: Synthesis and Noble Metal Free Photocatalysis. Chemistry of Materials, 2014, 26, 5812-5818.	3.2	192
107	Liquid-Based Growth of Polymeric Carbon Nitride Layers and Their Use in a Mesostructured Polymer Solar Cell with <i>V_{oc}</i> Exceeding 1 V. Journal of the American Chemical Society, 2014, 136, 13486-13489.	6.6	227
108	Sponge-Like Nickel and Nickel Nitride Structures for Catalytic Applications. Advanced Materials, 2014, 26, 1272-1276.	11.1	71

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109	Upconversion-Agent Induced Improvement of g-C ₃ N ₄ Photocatalyst under Visible Light. ACS Applied Materials & Interfaces, 2014, 6, 16481-16486.	4.0	104
110	Controlling dye aggregation, injection energetics and catalytic recombination in organic sensitizer based dye cells using a single electrolyte additive. Energy and Environmental Science, 2013, 6, 3046.	15.6	15
111	Characterization and control of the electronic properties of a NiO based dye sensitized photocathode. Physical Chemistry Chemical Physics, 2013, 15, 6339.	1.3	26
112	The importance of the TiO ₂ /quantum dots interface in the recombination processes of quantum dot sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 3841.	1.3	95
113	Improving Carbon Nitride Photocatalysis by Supramolecular Preorganization of Monomers. Journal of the American Chemical Society, 2013, 135, 7118-7121.	6.6	781
114	Design Rules for High-Efficiency Quantum-Dot-Sensitized Solar Cells: A Multilayer Approach. Journal of Physical Chemistry Letters, 2012, 3, 2436-2441.	2.1	77
115	Quantum Rod-Sensitized Solar Cell: Nanocrystal Shape Effect on the Photovoltaic Properties. Nano Letters, 2012, 12, 2095-2100.	4.5	121
116	Quantum dot based anode and cathode for high voltage tandem photo -electrochemical solar cell. Energy and Environmental Science, 2011, 4, 1874.	15.6	40
117	Illumination Intensity-Dependent Electronic Properties in Quantum Dot Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2011, 2, 1998-2003.	2.1	40
118	Unpredicted electron injection in CdS/CdSe quantum dot sensitized ZrO ₂ solar cells. Physical Chemistry Chemical Physics, 2011, 13, 19302.	1.3	36
119	PbS as a Highly Catalytic Counter Electrode for Polysulfide-Based Quantum Dot Solar Cells. Journal of Physical Chemistry C, 2011, 115, 6162-6166.	1.5	279
120	Internal Photoreference Electrode: A Powerful Characterization Method for Photoelectrochemical Quantum Dot Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2011, 2, 1032-1037.	2.1	32
121	Strong Efficiency Enhancement of Dye-Sensitized Solar Cells Using a La-Modified TiCl ₄ Treatment of Mesoporous TiO ₂ Electrodes. Journal of Physical Chemistry C, 2011, 115, 21481-21486.	1.5	32
122	Quantum-Sensitized Solar Cells. ChemPhysChem, 2010, 11, 2290-2304.	1.0	825
123	Design of Injection and Recombination in Quantum Dot Sensitized Solar Cells. Journal of the American Chemical Society, 2010, 132, 6834-6839.	6.6	252
124	SrTiO ₃ Recombination-Inhibiting Barrier Layer for Type II Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2010, 114, 10015-10018.	1.5	67
125	Quantum Dot Sensitized Solar Cells with Improved Efficiency Prepared Using Electrophoretic Deposition. ACS Nano, 2010, 4, 5962-5968.	7.3	238
126	Built-in Quantum Dot Antennas in Dye-Sensitized Solar Cells. ACS Nano, 2010, 4, 1293-1298.	7.3	191

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127	Quantum Dot ²⁺ Dye Bilayer-Sensitized Solar Cells: Breaking the Limits Imposed by the Low Absorbance of Dye Monolayers. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1134-1138.	2.1	135
128	Energy Level Alignment in CdS Quantum Dot Sensitized Solar Cells Using Molecular Dipoles. <i>Journal of the American Chemical Society</i> , 2009, 131, 9876-9877.	6.6	177
129	Core/CdS Quantum Dot/Shell Mesoporous Solar Cells with Improved Stability and Efficiency Using an Amorphous TiO ₂ Coating. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3895-3898.	1.5	239
130	Mediated Growth of Carbon Nitride Films via Spray ²⁺ Coated Seeding Layers for Photoelectrochemical Applications. <i>Advanced Sustainable Systems</i> , 0, , 2100005.	2.7	6
131	Controlled Nucleation and Growth of Carbon Nitride Films on CNT Fiber Fabric for Photoelectrochemical Applications. <i>Advanced Sustainable Systems</i> , 0, , 2000265.	2.7	4
132	Graphitic Carbon Nitride Layers as Light-Harvesting Semiconductors for Photoelectrochemical Cells. , 0, , .		0
133	Water-splitting Photoelectrochemical Cells Based on Carbon Nitride Materials: Progress through Improved Deposition Techniques. , 0, , .		0
134	Photo- and electro-catalyst development: carbon nitride and NiFe-oxide for catalytic oxidation of organic molecules to value-added chemicals. , 0, , .		0
135	Design and synthesis of TiO ₂ /C nanosheets with a directional cascade carriers transfer. <i>Chemical Science</i> , 0, , .	3.7	9