

# 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  
g-index

139  
all docs

139  
docs citations

139  
times ranked

12113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-Dot-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2010, 11, 2290-2304.	1.0	825
2	Improving Carbon Nitride Photocatalysis by Supramolecular Preorganization of Monomers. <i>Journal of the American Chemical Society</i> , 2013, 135, 7118-7121.	6.6	781
3	The Synthesis of Nanostructured Ni <sub>5</sub> P <sub>4</sub> Films and their Use as a Non-Noble Bifunctional Electrocatalyst for Full Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12361-12365.	7.2	751
4	Nickel nitride as an efficient electrocatalyst for water splitting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8171-8177.	5.2	408
5	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. <i>Journal of the American Chemical Society</i> , 2015, 137, 5480-5485.	6.6	310
6	PbS as a Highly Catalytic Counter Electrode for Polysulfide-Based Quantum Dot Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6162-6166.	1.5	279
7	Stainless Steel Mesh-Supported NiS Nanosheet Array as Highly Efficient Catalyst for Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5509-5516.	4.0	254
8	Design of Injection and Recombination in Quantum Dot Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 6834-6839.	6.6	252
9	The Synthesis of Nanostructured Ni <sub>5</sub> P <sub>4</sub> Films and their Use as a Non-Noble Bifunctional Electrocatalyst for Full Water Splitting. <i>Angewandte Chemie</i> , 2015, 127, 12538-12542.	1.6	240
10	Core/CdS Quantum Dot/Shell Mesoporous Solar Cells with Improved Stability and Efficiency Using an Amorphous TiO <sub>2</sub> Coating. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3895-3898.	1.5	239
11	Quantum Dot Sensitized Solar Cells with Improved Efficiency Prepared Using Electrophoretic Deposition. <i>ACS Nano</i> , 2010, 4, 5962-5968.	7.3	238
12	Phenyl-Modified Carbon Nitride Quantum Dots with Distinct Photoluminescence Behavior. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3672-3676.	7.2	233
13	Liquid-Based Growth of Polymeric Carbon Nitride Layers and Their Use in a Mesoporous Polymer Solar Cell with <i>V</i> Exceeding 1 V. <i>Journal of the American Chemical Society</i> , 2014, 136, 13486-13489.	6.6	227
14	Carbon Nitride Materials for Water Splitting Photoelectrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6138-6151.	7.2	205
15	<i>In Situ</i> Formation of Heterojunctions in Modified Graphitic Carbon Nitride: Synthesis and Noble Metal Free Photocatalysis. <i>Chemistry of Materials</i> , 2014, 26, 5812-5818.	3.2	192
16	Built-in Quantum Dot Antennas in Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2010, 4, 1293-1298.	7.3	191
17	Controlled Carbon Nitride Growth on Surfaces for Hydrogen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3654-3658.	7.2	187
18	Silver Phosphate/Graphitic Carbon Nitride as an Efficient Photocatalytic Tandem System for Oxygen Evolution. <i>ChemSusChem</i> , 2015, 8, 1350-1358.	3.6	178

#	ARTICLE	IF	CITATIONS
19	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
20	Highly Porous Materials as Tunable Electrocatalysts for the Hydrogen and Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2015, 25, 393-399.	7.8	169
21	Morphology Control and Photocatalysis Enhancement by the One-Pot Synthesis of Carbon Nitride from Preorganized Hydrogen-Bonded Supramolecular Precursors. <i>Langmuir</i> , 2014, 30, 447-451.	1.6	167
22	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
23	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
24	Quantum Dot <sup>2+</sup> 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
25	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979.	7.2	134
26	Quantum Rod-Sensitized Solar Cell: Nanocrystal Shape Effect on the Photovoltaic Properties. <i>Nano Letters</i> , 2012, 12, 2095-2100.	4.5	121
27	Efficiency Enhancement of Carbon Nitride Photoelectrochemical Cells via Tailored Monomers Design. <i>Advanced Energy Materials</i> , 2016, 6, 1600263.	10.2	116
28	Color-Tunable Photoluminescence and NIR Electroluminescence in Carbon Nitride Thin Films and Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2015, 3, 913-917.	3.6	115
29	Rational Design of Carbon Nitride Materials by Supramolecular Preorganization of Monomers. <i>ChemCatChem</i> , 2018, 10, 5573-5586.	1.8	105
30	Upconversion-Agent Induced Improvement of g-C <sub>3</sub> N <sub>4</sub> Photocatalyst under Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16481-16486.	4.0	104
31	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
32	“Caffeine Doping” of Carbon/Nitrogen-Based Organic Catalysts: Caffeine as a Supramolecular Edge Modifier for the Synthesis of Photoactive Carbon Nitride Tubes. <i>ChemCatChem</i> , 2015, 7, 2826-2830.	1.8	96
33	The importance of the TiO <sub>2</sub> /quantum dots interface in the recombination processes of quantum dot sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3841.	1.3	95
34	From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8426-8430.	7.2	90
35	Supramolecular Chemistry in Molten Sulfur: Preorganization Effects Leading to Marked Enhancement of Carbon Nitride Photoelectrochemistry. <i>Advanced Functional Materials</i> , 2015, 25, 6265-6271.	7.8	89
36	Salt-Assisted Synthesis of 3D Porous g-C <sub>3</sub> N <sub>4</sub> as a Bifunctional Photo- and Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27226-27232.	4.0	89

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37	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
38	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
39	Carbon Nitride/Reduced Graphene Oxide Film with Enhanced Electron Diffusion Length: An Efficient Photoelectrochemical Cell for Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1800566.	10.2	83
40	Design Rules for High-Efficiency Quantum-Dot-Sensitized Solar Cells: A Multilayer Approach. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2436-2441.	2.1	77
41	Experimental and Theoretical Assessment of Ni-Based Binary Compounds for the Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2017, 7, 1601735.	10.2	77
42	Electrophoretic Deposition of Carbon Nitride Layers for Photoelectrochemical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13058-13063.	4.0	74
43	Sponge-like Nickel and Nickel Nitride Structures for Catalytic Applications. <i>Advanced Materials</i> , 2014, 26, 1272-1276.	11.1	71
44	Self-Standing Carbon Nitride-Based Hydrogels with High Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2029-2034.	4.0	69
45	Photochemical and electrocatalytic water oxidation activity of cobalt carbodiimide. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5072-5082.	5.2	68
46	SrTiO <sub>3</sub> Recombination-Inhibiting Barrier Layer for Type II Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10015-10018.	1.5	67
47	One-Pot Synthesis of Nickel-Modified Carbon Nitride Layers Toward Efficient Photoelectrochemical Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32667-32677.	4.0	66
48	Unprecedented Centimeter-Long Carbon Nitride Needles: Synthesis, Characterization and Applications. <i>Small</i> , 2018, 14, e1800633.	5.2	64
49	Covalent Organic Framework Films through Electrophoretic Deposition—Creating Efficient Morphologies for Catalysis. <i>Chemistry of Materials</i> , 2019, 31, 10008-10016.	3.2	63
50	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
51	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
52	Synthesis of Organized Layered Carbon by Self-templating of Dithioamide. <i>Advanced Materials</i> , 2016, 28, 6727-6733.	11.1	59
53	Reinforced Hydrogels via Carbon Nitride Initiated Polymerization. <i>Macromolecules</i> , 2017, 50, 1862-1869.	2.2	58
54	A Heterogeneous Carbon Nitride-Nickel Photocatalyst for Efficient Low-Temperature CO <sub>2</sub> Methanation. <i>Advanced Energy Materials</i> , 2019, 9, 1902738.	10.2	58

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55	SiO <sub>2</sub> /carbon nitride composite materials: The role of surfaces for enhanced photocatalysis. <i>Catalysis Today</i> , 2014, 225, 185-190.	2.2	56
56	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
57	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
58	Rich surface hydroxyl design for nanostructured TiO <sub>2</sub> and its hole-trapping effect. <i>Chemical Engineering Journal</i> , 2020, 400, 125909.	6.6	43
59	The Complex Role of Carbon Nitride as a Sensitizer in Photoelectrochemical Cells. <i>Advanced Optical Materials</i> , 2015, 3, 1052-1058.	3.6	41
60	Quantum dot based anode and cathode for high voltage tandem photo-electrochemical solar cell. <i>Energy and Environmental Science</i> , 2011, 4, 1874.	15.6	40
61	Illumination Intensity-Dependent Electronic Properties in Quantum Dot Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1998-2003.	2.1	40
62	Robust Carbon Nitride-Based Thermoset Coatings for Surface Modification and Photochemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9462-9469.	4.0	40
63	Visible light-driven graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) photocatalyzed ketalization reaction in methanol with methylviologen as efficient electron mediator. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 311-315.	10.8	39
64	Covalent Functionalization of Carbon Nitride Frameworks through Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 14921-14927.	1.7	39
65	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
66	Solution-Processable Carbon Nitride Polymers for Photoelectrochemical Applications. <i>Small Methods</i> , 2019, 3, 1900401.	4.6	38
67	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
68	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
69	Unpredicted electron injection in CdS/CdSe quantum dot sensitized ZrO <sub>2</sub> solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19302.	1.3	36
70	C=C Bond Modified Graphitic Carbon Nitride Films for Enhanced Photoelectrochemical Cell Performance. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1005-1012.	1.7	35
71	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
72	Ultralong Nanostructured Carbon Nitride Wires and Self-Standing C-Rich Filters from Supramolecular Microspheres. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39688-39694.	4.0	34

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73	Low-Cost Porous Ruthenium Layer Deposited on Nickel Foam as a Highly Active Universal pH Electro catalyst for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 2780-2787.	3.6	34
74	Internal Photoreference Electrode: A Powerful Characterization Method for Photoelectrochemical Quantum Dot Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1032-1037.	2.1	32
75	Strong Efficiency Enhancement of Dye-Sensitized Solar Cells Using a La-Modified $\text{TiCl}_4$ Treatment of Mesoporous $\text{TiO}_2$ Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21481-21486.	1.5	32
76	Phenyl-Modified Carbon Nitride Quantum Dots with Distinct Photoluminescence Behavior. <i>Angewandte Chemie</i> , 2016, 128, 3736-3740.	1.6	31
77	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
78	2D/2D Graphitic Carbon Nitride/Antimonene Heterostructure: Structural Characterization and Application in Photocatalysis. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800138.	2.7	30
79	Carbon Nitride-Based Photoanode with Enhanced Photostability and Water Oxidation Kinetics. <i>Advanced Functional Materials</i> , 2021, 31, 2101724.	7.8	29
80	One-Pot Synthesis of $\text{CoS}_2$ Merged in Polymeric Carbon Nitride Films for Photoelectrochemical Water Splitting. <i>ChemSusChem</i> , 2022, 15, .	3.6	29
81	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
82	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
83	Characterization and control of the electronic properties of a NiO based dye sensitized photocathode. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6339.	1.3	26
84	Conformal Carbon Nitride Coating as an Efficient Hole Extraction Layer for ZnO Nanowires-Based Photoelectrochemical Cells. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700924.	1.9	26
85	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
86	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
87	Toward Efficient Carbon Nitride Photoelectrochemical Cells: Understanding Charge Transfer Processes. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600265.	1.9	24
88	Surface polycondensation as an effective tool to activate organic crystals: from $\alpha$ -oxoaldehydes semiconductors for water oxidation to 1d carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18502-18508.	5.2	24
89	Freestanding Hierarchical Carbon Nitride/Carbon-Paper Electrode as a Photoelectrocatalyst for Water Splitting and Dye Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29139-29146.	4.0	24
90	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131.	1.6	23

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91	Photoactive carbon nitride from melamine hydrochloride supramolecular assembly. <i>Materials Science in Semiconductor Processing</i> , 2018, 73, 78-82.	1.9	23
92	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
93	Photoactive Graphitic Carbon Nitride-Based Gel Beads As Recyclable Photocatalysts. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3346-3354.	2.0	23
94	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
95	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
96	Tailoring carbon nitride properties and photoactivity by interfacial engineering of hydrogen-bonded frameworks. <i>Nanoscale</i> , 2019, 11, 5564-5570.	2.8	21
97	Ultrathin mesoporous graphitic carbon nitride nanosheets with functional cyano group decoration and nitrogen-vacancy defects for an efficient selective CO <sub>2</sub> photoreduction. <i>Nanoscale</i> , 2021, 13, 12634-12641.	2.8	21
98	Carbon and Nitrogen Based Nanosheets as Fluorescent Probes with Tunable Emission. <i>Small</i> , 2018, 14, e1800516.	5.2	20
99	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
100	Layered Boron-Nitrogen-Carbon-Oxygen Materials with Tunable Composition as Lithium-Ion Battery Anodes. <i>ChemSusChem</i> , 2018, 11, 2912-2920.	3.6	19
101	Kohlenstoffnitridmaterialien für photochemische Zellen zur Wasserspaltung. <i>Angewandte Chemie</i> , 2019, 131, 6198-6211.	1.6	19
102	Supramolecular organization of melem for the synthesis of photoactive porous carbon nitride rods. <i>Nanoscale</i> , 2021, 13, 19511-19517.	2.8	18
103	New Organic Semiconducting Scaffolds by Supramolecular Preorganization: Dye Intercalation and Dye Oxidation and Reduction. <i>Small</i> , 2016, 12, 6090-6097.	5.2	17
104	From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie</i> , 2017, 129, 8546-8550.	1.6	16
105	Titanium Vacancies in TiO <sub>2</sub> Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 14202-14208.	1.7	16
106	Controlling dye aggregation, injection energetics and catalytic recombination in organic sensitizer based dye cells using a single electrolyte additive. <i>Energy and Environmental Science</i> , 2013, 6, 3046.	15.6	15
107	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
108	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

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109	Reactive Hypersaline Route: One-Pot Synthesis of Porous Photoactive Nanocomposites. <i>Langmuir</i> , 2017, 33, 5213-5222.	1.6	13
110	Condensation of Supramolecular Assemblies at Low Temperatures as a Tool for the Preparation of Photoactive C <sub>3</sub> N <sub>3</sub> O Materials. <i>ChemCatChem</i> , 2019, 11, 6295-6300.	1.8	13
111	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
112	Light on peroxide. <i>Nature Catalysis</i> , 2021, 4, 350-351.	16.1	12
113	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
114	Electrophoretic deposition of antimonene for photoelectrochemical applications. <i>Applied Materials Today</i> , 2020, 20, 100714.	2.3	11
115	Low-Temperature Synthesis of Solution Processable Carbon Nitride Polymers. <i>Molecules</i> , 2021, 26, 1646.	1.7	11
116	Carbon nanoarchitectures by design: pre-organizing squaric acid with urea. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 866-873.	0.8	9
117	Bismuthiol-Mediated Synthesis of Ordered Carbon Nitride Nanosheets with Enhanced Photocatalytic Performance. <i>Solar Rrl</i> , 2020, 4, 2000017.	3.1	9
118	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
119	Design and synthesis of TiO <sub>2</sub> /C nanosheets with a directional cascade carriers transfer. <i>Chemical Science</i> , 0, , .	3.7	9
120	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
121	Fluorescent Carbon Nitride Macrostructures Derived from Triazine-Based Cocrystals. <i>Advanced Optical Materials</i> , 2021, 9, 2100683.	3.6	8
122	Synthesis of metal-free lightweight materials with sequence-encoded properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8752-8760.	5.2	7
123	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
124	Mediated Growth of Carbon Nitride Films via Spray-Coated Seeding Layers for Photoelectrochemical Applications. <i>Advanced Sustainable Systems</i> , 0, , 2100005.	2.7	6
125	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
126	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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127	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
128	Coordinationâ€Directed Growth of Transitionâ€Metalâ€Crystallineâ€Carbon Composites with Controllable Metal Composition. <i>Angewandte Chemie</i> , 2019, 131, 15106-15110.	1.6	2
129	Synthesis of Carbonâ€Nitrogenâ€Phosphorous Materials with an Unprecedented High Amount of Phosphorous toward an Efficient Fireâ€Retardant Material. <i>Angewandte Chemie</i> , 2018, 130, 9912-9917.	1.6	1
130	Titanium Vacancies in TiO <sub>2</sub> Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 14142-14142.	1.7	1
131	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
132	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
133	Graphitic Carbon Nitride Layers as Light-Harvesting Semiconductors for Photoelectrochemical Cells. , 0, , .		0
134	Water-splitting Photoelectrochemical Cells Based on Carbon Nitride Materials: Progress through Improved Deposition Techniques. , 0, , .		0
135	Photo- and electro-catalyst development: carbon nitride and NiFe-oxide for catalytic oxidation of organic molecules to value-added chemicals. , 0, , .		0