

Markus Antonietti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

288
papers

39,013
citations

85
h-index

195
g-index

297
ext. papers

44,444
ext. citations

12.2
avg, IF

7.95
L-index

#	Paper	IF	Citations
288	Pickering emulgels reinforced with host-guest supramolecular inclusion complexes for high fidelity direct ink writing.. <i>Materials Horizons</i> , 2022 ,	14.4	3
287	Azide-Alkyne Click Chemistry over a Heterogeneous Copper-Based Single-Atom Catalyst. <i>ACS Catalysis</i> , 2022 , 12, 2947-2958	13.1	8
286	Enabling High Loading in Single-Atom Catalysts on Bare Substrate with Chemical Scissors by Saturating the Anchoring Sites.. <i>Small</i> , 2022 , e2200073	11	3
285	Red edge effect and chromoselective photocatalysis with amorphous covalent triazine-based frameworks.. <i>Nature Communications</i> , 2022 , 13, 2171	17.4	2
284	Enabling High Loading in Single-Atom Catalysts on Bare Substrate with Chemical Scissors by Saturating the Anchoring Sites (Small 19/2022). <i>Small</i> , 2022 , 18, 2270098	11	1
283	On the photopolymerization of mevalonic lactone methacrylate: exposing the potential of an overlooked monomer. <i>Polymer Chemistry</i> , 2021 , 13, 139-146	4.9	2
282	A Reanalysis of the Diverse Sodium Species in Carbon Anodes for Sodium Ion Batteries: A Thermodynamic View. <i>Advanced Energy Materials</i> , 2021 , 11, 2102489	21.8	7
281	Acetic Anhydride Polymerization as a Pathway to Functional Porous Organic Polymers and Their Application in Acid-Base Catalysis. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2588-2597	4.3	6
280	Enhanced Organic Photocatalysis in Confined Flow through a Carbon Nitride Nanotube Membrane with Conversions in the Millisecond Regime. <i>ACS Nano</i> , 2021 , 15, 6551-6561	16.7	13
279	Upgrading poly(styrene-co-divinylbenzene) beads: Incorporation of organomodified metal-free semiconductor graphitic carbon nitride through suspension photopolymerization to generate photoactive resins. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50879	2.9	2
278	Ligand-Metal Charge Transfer Induced Adjustment of Textural Properties Controls the Performance of Single-Atom Catalysts during Photocatalytic Degradation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25858-25867	9.5	11
277	"Giant" Nitrogen Uptake in Ionic Liquids Confined in Carbon Pores. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9377-9384	16.4	8
276	Electrochemical activation of C-H by electron-deficient WC nanocrystals for simultaneous alkoxylation and hydrogen evolution. <i>Nature Communications</i> , 2021 , 12, 3882	17.4	1
275	Synthesis of Polymer Janus Particles with Tunable Wettability Profiles as Potent Solid Surfactants to Promote Gas Delivery in Aqueous Reaction Media. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32510-32519	9.5	6
274	Photocatalytic Water Splitting Reaction Catalyzed by Ion-Exchanged Salts of Potassium Poly(heptazine imide) 2D Materials. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13749-13758	3.8	6
273	Unidirectional ion transport in nanoporous carbon membranes with a hierarchical pore architecture. <i>Nature Communications</i> , 2021 , 12, 4650	17.4	5
272	Unconventional Photocatalysis in Conductive Polymers: Reversible Modulation of PEDOT:PSS Conductivity by Long-Lived Poly(Heptazine Imide) Radicals. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7436-7443	16.4	9

271	Unkonventionelle Photokatalyse in leitfähigen Polymeren: Reversible Modulation der Leitfähigkeit von PEDOT:PSS durch langlebige Polyheptazinimid-Radikale. <i>Angewandte Chemie</i> , 2021 , 133, 7512-7520	3.6	3
270	Sustainable Cathodes for Lithium-Ion Energy Storage Devices Based on Tannic Acid toward Ecofriendly Energy Storage. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000206	5.9	8
269	New (and Old) Monomers from Biorefineries to Make Polymer Chemistry More Sustainable. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000485	4.8	13
268	All-organic Z-scheme photoreduction of CO ₂ with water as the donor of electrons and protons. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119773	21.8	9
267	Natural and artificial humic substances to manage minerals, ions, water, and soil microorganisms. <i>Chemical Society Reviews</i> , 2021 , 50, 6221-6239	58.5	26
266	Mizoroki-Hick type reactions and synthesis of 1,4-dicarbonyl compounds by heterogeneous organic semiconductor photocatalysis. <i>Green Chemistry</i> , 2021 , 23, 2017-2024	10	5
265	Insights into the sodiation mechanism of hard carbon-like materials from electrochemical impedance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 11488-11500	3.6	6
264	Photocatalytic (Het)arylation of C(sp ³) Bonds with Carbon Nitride. <i>ACS Catalysis</i> , 2021 , 11, 1593-1603	13.1	27
263	Influence of Pore Architecture and Chemical Structure on the Sodium Storage in Nitrogen-Doped Hard Carbons. <i>Small</i> , 2021 , 17, e2006767	11	14
262	Chemical Vapor Deposition of Highly Conjugated, Transparent Boron Carbon Nitride Thin Films. <i>Advanced Science</i> , 2021 , 8, e2101602	13.6	7
261	Chromoselective Synthesis of Sulfonyl Chlorides and Sulfonamides with Potassium Poly(heptazine imide) Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20543-20550	16.4	11
260	Carbon Nitride Thin Films as All-In-One Technology for Photocatalysis. <i>ACS Catalysis</i> , 2021 , 11, 11109-11116	13.6	13
259	Accelerated Anti-Markovnikov Alkene Hydrosilylation with Humic-Acid-Supported Electron-Deficient Platinum Single Atoms. <i>Angewandte Chemie</i> , 2021 , 133, 24422	3.6	0
258	Accelerated Anti-Markovnikov Alkene Hydrosilylation with Humic-Acid-Supported Electron-Deficient Platinum Single Atoms. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24220-24226	16.4	8
257	Ultrahigh water sorption on highly nitrogen doped carbonaceous materials derived from uric acid. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 880-888	9.3	2
256	Multisite PCET with photocharged carbon nitride in dark. <i>Exploration</i> , 2021 , 1, 20210063		5
255	Rediscovering Forgotten Members of the Graphene Family. <i>Accounts of Materials Research</i> , 2020 , 1, 117-132	13.2	7
254	Potassium Poly(Heptazine Imide): Transition Metal-Free Solid-State Triplet Sensitizer in Cascade Energy Transfer and [3+2]-cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15061-15068	16.4	46

- 253 Bioinspired Ionic Sensory Systems: The Successor of Electronics. *Advanced Materials*, **2020**, 32, e200021824 35
- 252 Advantages in Using Inexpensive CO₂ To Favor Photocatalytic Oxidation of Benzylamines. *ACS Catalysis*, **2020**, 10, 7336-7342 13.1 26
- 251 Ultrathin 2D Graphitic Carbon Nitride on Metal Films: Underpotential Sodium Deposition in Adlayers for Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 9067-9073 16.4 37
- 250 Synthesis of carbon frameworks with N, O and S-lined pores from gallic acid and thiourea for superior CO₂ adsorption and supercapacitors. *Science China Materials*, **2020**, 63, 748-757 7.1 14
- 249 Dichloromethylation of enones by carbon nitride photocatalysis. *Nature Communications*, **2020**, 11, 138717.4 41
- 248 Photoactive Graphitic Carbon Nitride-Based Gel Beads As Recyclable Photocatalysts. *ACS Applied Polymer Materials*, **2020**, 2, 3346-3354 4.3 10
- 247 A Single Cu-Center Containing Enzyme-Mimic Enabling Full Photosynthesis under CO Reduction. *ACS Nano*, **2020**, 14, 8584-8593 16.7 73
- 246 Graphitic Carbon Nitride Stabilizers Meet Microfluidics: From Stable Emulsions to Photoinduced Synthesis of Hollow Polymer Spheres. *Small*, **2020**, 16, e2001180 11 16
- 245 Artificial Humic Acids: Sustainable Materials against Climate Change. *Advanced Science*, **2020**, 7, 190299213.6 26
- 244 Synthesis of a Porous CN-Derived Framework with High Yield by Gallic Acid Cross-Linking Using Salt Melts. *ACS Applied Materials & Interfaces*, **2020**, 12, 13127-13133 9.5 7
- 243 Covalent triazine framework/carbon nanotube hybrids enabling selective reduction of CO₂ to CO at low overpotential. *Green Chemistry*, **2020**, 22, 3095-3103 10 8
- 242 Photo-Ni-Dual-Catalytic C(sp²)/C(sp³) Cross-Coupling Reactions with Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Semiconductor Photocatalyst. *ACS Catalysis*, **2020**, 10, 3526-3532 13.1 35
- 241 Cascade Kinetics in an Enzyme-Loaded Aqueous Two-Phase System. *Langmuir*, **2020**, 36, 1401-1408 4 15
- 240 Shine Bright Like a Diamond: New Light on an Old Polymeric Semiconductor. *Advanced Materials*, **2020**, 32, e1908140 24 36
- 239 Improving Artificial Photosynthesis over Carbon Nitride by Gas-Liquid-Solid Interface Management for Full Light-Induced CO Reduction to C and C Fuels and O. *ChemSusChem*, **2020**, 13, 1730-1734 8.3 33
- 238 Nickel on nitrogen-doped carbon pellets for continuous-flow hydrogenation of biomass-derived compounds in water. *Green Chemistry*, **2020**, 22, 2755-2766 10 25
- 237 Bioinformation transformation: From ionics to quantum ionics. *Science China Materials*, **2020**, 63, 167-1717.1 8
- 236 Graphitic carbon nitride and polymers: a mutual combination for advanced properties. *Materials Horizons*, **2020**, 7, 762-786 14.4 76

235	Conjugation of artificial humic acids with inorganic soil matter to restore land for improved conservation of water and nutrients. <i>Land Degradation and Development</i> , 2020 , 31, 884-893	4.4	9
234	An Artificial Somatic Reflex Arc. <i>Advanced Materials</i> , 2020 , 32, e1905399	24	64
233	Guanine-Derived Porous Carbonaceous Materials: Towards C N. <i>ChemSusChem</i> , 2020 , 13, 6643-6650	8.3	9
232	Electrochemical N Reduction to Ammonia Using Single Au/Fe Atoms Supported on Nitrogen-Doped Porous Carbon. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10061-10069	6.1	12
231	Let a Hundred Polymers Bloom: Tunable Wetting of Photografted Polymer-Carbon Nitride Surfaces. <i>Chemistry of Materials</i> , 2020 , 32, 7284-7291	9.6	20
230	On the Possibility of Helium Adsorption in Nitrogen Doped Graphitic Materials. <i>Scientific Reports</i> , 2020 , 10, 5832	4.9	5
229	Boron Carbon Nitride Thin Films: From Disordered to Ordered Conjugated Ternary Materials. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20883-20891	16.4	26
228	Colloidal properties of the metal-free semiconductor graphitic carbon nitride. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102229	14.3	21
227	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
226	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020 , 120, 9363-9419	68.1	196
225	Controlling pore size and pore functionality in sp ² -conjugated microporous materials by precursor chemistry and salt templating. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21680-21689	13	9
224	p-Xylene from 2,5-dimethylfuran and acrylic acid using zeolite in a continuous flow system. <i>Green Chemistry</i> , 2020 , 22, 7398-7405	10	17
223	Responsive Janus and Cerberus emulsions via temperature-induced phase separation in aqueous polymer mixtures. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 88-95	9.3	21
222	Visible-light induced emulsion photopolymerization with carbon nitride as a stabilizer and photoinitiator. <i>Polymer Chemistry</i> , 2019 , 10, 5315-5323	4.9	33
221	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. <i>Nature Communications</i> , 2019 , 10, 4380	17.4	117
220	Poly(Ionic Liquid) Nanoparticles Selectively Disrupt Biomembranes. <i>Advanced Science</i> , 2019 , 6, 1801602	13.6	7
219	Grafting Polymers onto Carbon Nitride via Visible-Light-Induced Photofunctionalization. <i>Macromolecules</i> , 2019 , 52, 4989-4996	5.5	21
218	A hydrothermal process to turn waste biomass into artificial fulvic and humic acids for soil remediation. <i>Science of the Total Environment</i> , 2019 , 686, 1140-1151	10.2	56

217	Understanding the Charge Storage Mechanism to Achieve High Capacity and Fast Ion Storage in Sodium-Ion Capacitor Anodes by Using Electrospun Nitrogen-Doped Carbon Fibers. <i>Advanced Functional Materials</i> , 2019 , 29, 1902858	15.6	54
216	Designing Defective Crystalline Carbon Nitride to Enable Selective CO ₂ Photoreduction in the Gas Phase. <i>Advanced Functional Materials</i> , 2019 , 29, 1900093	15.6	151
215	Halogenation of aromatic hydrocarbons by halide anion oxidation with poly(heptazine imide) photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2019 , 248, 211-217	21.8	34
214	Robust Carbon Nitride-Based Thermoset Coatings for Surface Modification and Photochemistry. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9462-9469	9.5	29
213	Carbon nitride photocatalyzes regioselective aminium radical addition to the carbonyl bond and yields N-fused pyrroles. <i>Nature Communications</i> , 2019 , 10, 945	17.4	48
212	Controlling the strength of interaction between carbon dioxide and nitrogen-rich carbon materials by molecular design. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2819-2827	5.8	20
211	Three-Phase Photocatalysis for the Enhanced Selectivity and Activity of CO Reduction on a Hydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14549-14555	16.4	136
210	Electron Deficient Monomers that Optimize Nucleation and Enhance the Photocatalytic Redox Activity of Carbon Nitrides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14950-14954	16.4	74
209	Photo-Driven Ion Transport for a Photodetector Based on an Asymmetric Carbon Nitride Nanotube Membrane. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12574-12579	16.4	53
208	A biomimetic nanofluidic diode based on surface-modified polymeric carbon nitride nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1316-1323	3	11
207	Organic semiconductor photocatalyst can bifunctionalize arenes and heteroarenes. <i>Science</i> , 2019 , 365, 360-366	33.3	235
206	Metal-Free Visible-Light-Induced Dithiolene Clicking via Carbon Nitride to Valorize 4-Pentenoic Acid as a Functional Monomer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17574-17579	8.3	18
205	Ion Transport in Nanofluidic Devices for Energy Harvesting. <i>Joule</i> , 2019 , 3, 2364-2380	27.8	109
204	Electron Deficient Monomers that Optimize Nucleation and Enhance the Photocatalytic Redox Activity of Carbon Nitrides. <i>Angewandte Chemie</i> , 2019 , 131, 15092-15096	3.6	12
203	Ionic Carbon Nitrides in Solar Hydrogen Production and Organic Synthesis: Exciting Chemistry and Economic Advantages. <i>ChemCatChem</i> , 2019 , 11, 6166-6176	5.2	34
202	The Rise of Bioinspired Ionotronics. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900073	6	25
201	Vanillin decorated chitosan as electrode material for sustainable energy storage.. <i>RSC Advances</i> , 2019 , 9, 4591-4598	3.7	18
200	Artificial light-driven ion pump for photoelectric energy conversion. <i>Nature Communications</i> , 2019 , 10, 74	17.4	94

199	Formation and Properties of Poly(Ionic Liquid)-Carbene Nanogels Containing Individually Stabilized Silver Species. <i>Chemistry - A European Journal</i> , 2018 , 24, 5754-5759	4.8	3
198	The Concept of "Noble, Heteroatom-Doped Carbons," Their Directed Synthesis by Electronic Band Control of Carbonization, and Applications in Catalysis and Energy Materials. <i>Advanced Materials</i> , 2018 , 30, e1706836	24	102
197	Toward Ultimate Control of Radical Polymerization: Functionalized Metal-Organic Frameworks as a Robust Environment for Metal-Catalyzed Polymerizations. <i>Chemistry of Materials</i> , 2018 , 30, 2983-2994	9.6	34
196	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott-Schottky Effect for Gas-Phase Methanol Dehydrogenation. <i>Angewandte Chemie</i> , 2018 , 130, 2727-2731	3.6	14
195	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9976-9979	16.4	90
194	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott-Schottky Effect for Gas-Phase Methanol Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2697-2701	16.4	58
193	Photooxidation of N-acylhydrazones to 1,3,4-oxadiazoles catalyzed by heterogeneous visible-light-active carbon nitride semiconductor. <i>Applied Catalysis B: Environmental</i> , 2018 , 228, 97-102	21.8	32
192	Splitting Water by Electrochemistry and Artificial Photosynthesis: Excellent Science but a Nightmare of Translation?. <i>Chemical Record</i> , 2018 , 18, 969-972	6.6	10
191	Poly(ionic liquid) binders as ionic conductors and polymer electrolyte interfaces for enhanced electrochemical performance of water splitting electrodes. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 1446-1451	5.8	6
190	Toward the Experimental Understanding of the Energy Storage Mechanism and Ion Dynamics in Ionic Liquid Based Supercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1800026	21.8	92
189	A "waiting" carbon nitride radical anion: a charge storage material and key intermediate in direct C-H thiolation of methylarenes using elemental sulfur as the "S"-source. <i>Chemical Science</i> , 2018 , 9, 3584-3591	9.4	69
188	Tough high modulus hydrogels derived from carbon-nitride via an ethylene glycol co-solvent route. <i>Soft Matter</i> , 2018 , 14, 2655-2664	3.6	24
187	Nanofluidic Ion Transport and Energy Conversion through Ultrathin Free-Standing Polymeric Carbon Nitride Membranes. <i>Angewandte Chemie</i> , 2018 , 130, 10280-10283	3.6	24
186	Photoredox Catalytic Organic Transformations using Heterogeneous Carbon Nitrides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15936-15947	16.4	215
185	Breaking the Limits of Ionic Liquid-Based Supercapacitors: Mesoporous Carbon Electrodes Functionalized with Manganese Oxide Nanosplotches for Dense, Stable, and Wide-Temperature Energy Storage. <i>Advanced Functional Materials</i> , 2018 , 28, 1801298	15.6	60
184	Single-Site Gold Catalysts on Hierarchical N-Doped Porous Noble Carbon for Enhanced Electrochemical Reduction of Nitrogen. <i>Small Methods</i> , 2018 , 2, 1800202	12.8	169
183	Ionothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from Sea Water. <i>Angewandte Chemie</i> , 2018 , 130, 9516-9520	3.6	49
182	Template- and Metal-Free Synthesis of Nitrogen-Rich Nanoporous "Noble" Carbon Materials by Direct Pyrolysis of a Preorganized Hexaazatriphenylene Precursor. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10765-10770	16.4	60

181	Ordered Mesoporous Carbons with High Micropore Content and Tunable Structure Prepared by Combined Hard and Salt Templating as Electrode Materials in Electric Double-Layer Capacitors. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700128	5.9	36
180	Electrostatic Stabilization of Carbon Nitride Colloids in Organic Solvents Enables Stable Dispersions and Transparent Homogeneous CN Films for Optoelectronics. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17532-17537	16.4	42
179	Visible-Light-Driven Photochemical Activation of sp ³ C-N Bond for Hemiaminal Formation. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2464-2467	3	3
178	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie</i> , 2018 , 130, 15414-15418	3.6	3
177	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15194-15198	16.4	33
176	Thioimidazolium Salts as a Platform for Nonvolatile Alkylators and Degradable Antiseptics. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15434-15440	8.3	4
175	Storing electricity as chemical energy: beyond traditional electrochemistry and double-layer compression. <i>Energy and Environmental Science</i> , 2018 , 11, 3069-3074	35.4	24
174	Carbocatalysis: Analyzing the Sources of Organic Transformations 2018 , 285-311		
173	C ₂ N _x O _{1-x} framework carbons with defined microporosity and Co-doped functional pores. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19013-19019	13	18
172	Heterogeneous Organocatalysis for Photoredox Chemistry. <i>ACS Catalysis</i> , 2018 , 8, 9790-9808	13.1	112
171	Ionothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from "Sea Water". <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9372-9376	16.4	259
170	Formation Mechanism, Growth Kinetics, and Stability Limits of Graphene Adlayers in Metal-Catalyzed CVD Growth. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800255	4.6	10
169	Identifying the Origin and Contribution of Surface Storage in TiO ₂ (B) Nanotube Electrode by In Situ Dynamic Valence State Monitoring. <i>Advanced Materials</i> , 2018 , 30, e1802200	24	72
168	Nanofluidic Ion Transport and Energy Conversion through Ultrathin Free-Standing Polymeric Carbon Nitride Membranes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10123-10126	16.4	113
167	Stabilization of Single Metal Atoms on Graphitic Carbon Nitride. <i>Advanced Functional Materials</i> , 2017 , 27, 1605785	15.6	172
166	Innovative polyelectrolytes/poly(ionic liquid)s for energy and the environment. <i>Polymer International</i> , 2017 , 66, 1119-1128	3.3	33
165	Catalysts: Stabilization of Single Metal Atoms on Graphitic Carbon Nitride (Adv. Funct. Mater. 8/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	2
164	Plants to Polyelectrolytes: Theophylline Polymers and Their Microsphere Synthesis. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600748	4.8	5

163	Reinforced Hydrogels via Carbon Nitride Initiated Polymerization. <i>Macromolecules</i> , 2017 , 50, 1862-1869	5.5	46
162	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	21.8	30
161	Tunable Nitrogen-Doped Carbon Nanoparticles from Tannic Acid and Urea and Their Potential for Sustainable Soots. <i>ChemNanoMat</i> , 2017 , 3, 311-318	3.5	10
160	The Performance of Nanoparticulate Graphitic Carbon Nitride as an Amphiphile. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6026-6029	16.4	97
159	Efficient Electrocatalytic Reduction of CO by Nitrogen-Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO Refinery. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7847-7852	16.4	202
158	Poly(Ionic Liquid)-Derived Carbon with Site-Specific N-Doping and Biphasic Heterojunction for Enhanced CO Capture and Sensing. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7557-7563	16.4	100
157	A High-Throughput Composite Catalyst based on Nickel Carbon Cubes for the Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran. <i>ChemCatChem</i> , 2017 , 9, 3388-3394	5.2	22
156	Green Imidazolium Ionics-From Truly Sustainable Reagents to Highly Functional Ionic Liquids. <i>Chemistry - A European Journal</i> , 2017 , 23, 11810-11817	4.8	19
155	Carbon nitride nanosheets as visible light photocatalytic initiators and crosslinkers for hydrogels with thermoresponsive turbidity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8933-8938	13	62
154	Hexaazatriphenylene doped carbon nitridesBiomimetic photocatalyst with superior oxidation power. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 622-628	21.8	52
153	Poly(Ionic Liquid)-Derived Carbon with Site-Specific N-Doping and Biphasic Heterojunction for Enhanced CO ₂ Capture and Sensing. <i>Angewandte Chemie</i> , 2017 , 129, 7665-7671	3.6	16
152	Hierarchically porous carbons from an emulsion-templated, urea-based deep eutectic. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16376-16385	13	34
151	"The Easier the Better" Preparation of Efficient Photocatalysts-Metastable Poly(heptazine imide) Salts. <i>Advanced Materials</i> , 2017 , 29, 1700555	24	110
150	Visible-Light-Irradiated Graphitic Carbon Nitride Photocatalyzed Diels-Alder Reactions with Dioxygen as Sustainable Mediator for Photoinduced Electrons. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9336-9340	16.4	74
149	General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8971-8976	16.4	86
148	Advancing the n-π* electron transition of carbon nitride nanotubes for H ₂ photosynthesis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12723-12728	13	153
147	Efficient Electrocatalytic Reduction of CO ₂ by Nitrogen-Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO ₂ Refinery. <i>Angewandte Chemie</i> , 2017 , 129, 7955-7960	3.6	66
146	The bakery of high-end sorption carbons: sugar/urea doughs as processable precursors for functional carbons. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16352-16358	13	6

145	Nitrogen-Doped Nanoporous Carbon Membranes with Co/CoP Janus-Type Nanocrystals as Hydrogen Evolution Electrode in Both Acidic and Alkaline Environments. <i>ACS Nano</i> , 2017 , 11, 4358-4364	16.7	168
144	Functional porous carbon nanospheres from sustainable precursors for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16263-16272	13	44
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