

# Maurizio Prato

## List of Publications by Year in descending order

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748  
papers

77,053  
citations

704

125  
h-index

867

250  
g-index

865  
all docs

865  
docs citations

865  
times ranked

62779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresponsive, Electroactive, and Inkjet-Printable Graphene-Based Inks. <i>Advanced Functional Materials</i> , 2022, 32, 2105028.	7.8	14
2	New insights into the exploitation of oxidized carbon nitrides as heterogeneous base catalysts. <i>Inorganica Chimica Acta</i> , 2022, 531, 120732.	1.2	8
3	Carbon Nanotube Membranes in Water Treatment Applications. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101260.	1.9	39
4	Fast Visible-Light Photopolymerization in the Presence of Multiwalled Carbon Nanotubes: Toward 3D Printing Conducting Nanocomposites. <i>ACS Macro Letters</i> , 2022, 11, 303-309.	2.3	24
5	Protein-based (bio)materials: a way toward high-performance graphene enzymatic biosensors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5466-5473.	2.7	5
6	Elucidating the electronic properties of single-wall carbon nanohorns. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5783-5786.	2.7	5
7	Nuclear Magnetic Resonance Reveals Molecular Species in Carbon Nanodot Samples Disclosing Flaws. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
8	A multifunctional chemical toolbox to engineer carbon dots for biomedical and energy applications. <i>Nature Nanotechnology</i> , 2022, 17, 112-130.	15.6	370
9	Nuclear Magnetic Resonance Reveals Molecular Species in Carbon Nanodot Samples Disclosing Flaws. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	45
10	Unveiling the Synthetic Potential of Substituted Phenols as Fully Recyclable Organophotoredox Catalysts for the Iodosulfonylation of Olefins. <i>ACS Catalysis</i> , 2022, 12, 4290-4295.	5.5	20
11	Is airborne graphene oxide a possible hazard for the sexual reproduction of wind-pollinated plants?. <i>Science of the Total Environment</i> , 2022, 830, 154625.	3.9	5
12	The Photochemical Activity of a Halogen-Bonded Complex Enables the Microfluidic Light-Driven Alkylation of Phenols. <i>Organic Letters</i> , 2022, 24, 2961-2966.	2.4	22
13	Transfer of Axial Chirality to the Nanoscale Endows Carbon Nanodots with Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
14	Transfer of Axial Chirality to the Nanoscale Endows Carbon Nanodots with Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	28
15	Phenanthrene-Extended Phenazine Dication: An Electrochromic Conformational Switch Presenting Dual Reactivity. <i>Journal of the American Chemical Society</i> , 2022, 144, 7295-7301.	6.6	13
16	Electrochemical modification of carbon nanotube fibres. <i>Nanoscale</i> , 2022, 14, 9313-9322.	2.8	2
17	Efficient and Stable Perovskite Solar Cells based on Nitrogen-Doped Carbon Nanodots. <i>Energy Technology</i> , 2022, 10, .	1.8	4
18	The era of nano-bionic: 2D materials for wearable and implantable body sensors. <i>Advanced Drug Delivery Reviews</i> , 2022, 186, 114315.	6.6	18

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19	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. <i>Journal of Hazardous Materials</i> , 2022, 435, 129053.	6.5	16
20	CARBON-BASED nanomaterials and SKIN: An overview. <i>Carbon</i> , 2022, 196, 683-698.	5.4	17
21	Polyaromatic cores for the exfoliation of popular 2D materials. <i>Nanoscale</i> , 2022, 14, 8986-8994.	2.8	2
22	New Insights into the Exploitation of BODIPY Derivatives as Organic Photocatalysts. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
23	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 313-320.	7.2	26
24	Light-Controlled Regioselective Synthesis of Fullerene Bis-Adducts. <i>Angewandte Chemie</i> , 2021, 133, 317-324.	1.6	2
25	2D materials production and generation of functional inks: general discussion. <i>Faraday Discussions</i> , 2021, 227, 141-162.	1.6	2
26	Nanocellulose/Fullerene Hybrid Films Assembled at the Air/Water Interface as Promising Functional Materials for Photo-electrocatalysis. <i>Polymers</i> , 2021, 13, 243.	2.0	7
27	Use of Perylene Diimides in Synthetic Photochemistry. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1193-1200.	1.2	25
28	Concluding remarks: Chemistry of 2-dimensional materials: beyond graphene. <i>Faraday Discussions</i> , 2021, 227, 383-395.	1.6	5
29	Tailored amorphization of graphitic carbon nitride triggers superior photocatalytic C-C coupling towards the synthesis of perfluoroalkyl derivatives. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7267-7275.	3.2	21
30	Optical processes in carbon nanocolloids. <i>CheM</i> , 2021, 7, 606-628.	5.8	73
31	Metal-Free Photocatalysis: Two-Dimensional Nanomaterial Connection toward Advanced Organic Synthesis. <i>ACS Nano</i> , 2021, 15, 3621-3630.	7.3	81
32	Lighting up the Electrochemiluminescence of Carbon Dots through Pre- and Post-Synthetic Design. <i>Advanced Science</i> , 2021, 8, 2100125.	5.6	49
33	3D Printable Conducting and Biocompatible PEDOT-graft-PLA Copolymers by Direct Ink Writing. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100100.	2.0	30
34	Snapshots into carbon dots formation through a combined spectroscopic approach. <i>Nature Communications</i> , 2021, 12, 2640.	5.8	86
35	Microwave-Assisted 1,3-Dipolar Cycloaddition of Azomethine Ylides to [60]Fullerene: Thermodynamic Control of Bis-Addition with Ionic Liquids Additives. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3545-3551.	1.2	3
36	Graphene environmental biodegradation: Wood degrading and saprotrophic fungi oxidize few-layer graphene. <i>Journal of Hazardous Materials</i> , 2021, 414, 125553.	6.5	17

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37	Turning the Light on Phenols: New Opportunities in Organic Synthesis. Chemistry - A European Journal, 2021, 27, 16062-16070.	1.7	33
38	Agarose-Based Fluorescent Waveguide with Embedded Silica Nanoparticle-Carbon Nanodot Hybrids for pH Sensing. ACS Applied Nano Materials, 2021, 4, 9738-9751.	2.4	16
39	Localized and Surface Plasmons Coupling for Ultrasensitive Dopamine Detection by means of SPR-Based Perylene Bisimide/Au Nanostructures Thin Film. Advanced Materials Interfaces, 2021, 8, 2101023.	1.9	8
40	Carbon nanotubes for cardiac tissue regeneration: State of the art and perspectives. Carbon, 2021, 184, 641-650.	5.4	17
41	Carbon-dots conductometric sensor for high performance gas sensing. Carbon Trends, 2021, 5, 100105.	1.4	14
42	New trends in nonconventional carbon dot synthesis. Trends in Chemistry, 2021, 3, 943-953.	4.4	28
43	Biomedical applications: general discussion. Faraday Discussions, 2021, 227, 245-258.	1.6	2
44	2D and 3D Immobilization of Carbon Nanomaterials into PEDOT via Electropolymerization of a Functional Bis-EDOT Monomer. Polymers, 2021, 13, 436.	2.0	5
45	Supramolecular organic-inorganic domains integrating fullerene-based acceptors with polyoxometalate-bis-pyrene tweezers for organic photovoltaic applications. Journal of Materials Chemistry C, 2021, 9, 16290-16297.	2.7	7
46	Electrochemiluminescent immunoassay enhancement driven by carbon nanotubes. Chemical Communications, 2021, 57, 9672-9675.	2.2	14
47	3-Dimensional graphene-like structures and applications: general discussion. Faraday Discussions, 2021, 227, 359-382.	1.6	0
48	Metal Nanoparticles/MoS <sub>2</sub> Surface-Enhanced Raman Scattering-Based Sandwich Immunoassay for $\alpha$ -Fetoprotein Detection. ACS Applied Materials & Interfaces, 2021, 13, 8823-8831.	4.0	45
49	Electrocatalytic CO <sub>2</sub> reduction: role of the cross-talk at nano-carbon interfaces. Energy and Environmental Science, 2021, 14, 5816-5833.	15.6	25
50	Suspended graphene arrays for gas sensing applications. 2D Materials, 2021, 8, 025006.	2.0	15
51	Frontispiece: Turning the Light on Phenols: New Opportunities in Organic Synthesis. Chemistry - A European Journal, 2021, 27, .	1.7	0
52	Introduction to the themed issue in honour of Prof. Kees Hummelen. Journal of Materials Chemistry C, 2021, 9, 16057-16058.	2.7	0
53	Bidirectional Modulation of Neuronal Cells Electrical and Mechanical Properties Through Pristine and Functionalized Graphene Substrates. Frontiers in Neuroscience, 2021, 15, 811348.	1.4	3
54	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. Nature Communications, 2021, 12, 7208.	5.8	31

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55	Skin irritation potential of graphene-based materials using a non-animal test. <i>Nanoscale</i> , 2020, 12, 610-622.	2.8	42
56	Photoelectrochemical Properties of SnO <sub>2</sub> Photoanodes Sensitized by Cationic Perylene-Di-Imide Aggregates for Aqueous HBr Splitting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1317-1329.	1.5	13
57	Tailored Methodology Based on Vapor Phase Polymerization to Manufacture PEDOT/CNT Scaffolds for Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1269-1278.	2.6	31
58	Keratinocytes are capable of selectively sensing low amounts of graphene-based materials: Implications for cutaneous applications. <i>Carbon</i> , 2020, 159, 598-610.	5.4	16
59	Novel idebenone analogs block Shc <sup>TM</sup> 's access to insulin receptor to improve insulin sensitivity. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110823.	2.5	3
60	Improving 2D-organization of fullerene Langmuir-SchÅfer thin films by interaction with cellulose nanocrystals. <i>Carbon</i> , 2020, 167, 906-917.	5.4	12
61	Electrochemically controlled cleavage of imine bonds on a graphene platform: towards new electro-responsive hybrids for drug release. <i>Nanoscale</i> , 2020, 12, 23824-23830.	2.8	12
62	Light-driven, heterogeneous organocatalysts for C=C bond formation toward valuable perfluoroalkylated intermediates. <i>Science Advances</i> , 2020, 6, .	4.7	75
63	Targeting G Protein-Coupled Receptors with Magnetic Carbon Nanotubes: The Case of the A <sub>3</sub> Adenosine Receptor. <i>ChemMedChem</i> , 2020, 15, 1909-1920.	1.6	4
64	Ecotoxicological impact of graphene oxide: toxic effects on the model organism <i>Artemia franciscana</i> . <i>Environmental Science: Nano</i> , 2020, 7, 3605-3615.	2.2	20
65	Synthesis and excited state processes of arrays containing amine-rich carbon dots and unsymmetrical rylene diimides. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3640-3648.	3.2	15
66	Effects of Few-Layer Graphene on the Sexual Reproduction of Seed Plants: An In Vivo Study with <i>Cucurbita pepo</i> L.. <i>Nanomaterials</i> , 2020, 10, 1877.	1.9	5
67	Partial Reversibility of the Cytotoxic Effect Induced by Graphene-Based Materials in Skin Keratinocytes. <i>Nanomaterials</i> , 2020, 10, 1602.	1.9	8
68	Synthesis and applications of amino-functionalized carbon nanomaterials. <i>Chemical Communications</i> , 2020, 56, 12698-12716.	2.2	36
69	Water-Mediated ElectroHydrogenation of CO <sub>2</sub> at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. <i>ACS Applied Energy Materials</i> , 2020, 3, 8509-8518.	2.5	23
70	Toward Spontaneous Neuronal Differentiation of SH-SY5Y Cells Using Novel Three-Dimensional Electropolymerized Conductive Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57330-57342.	4.0	16
71	Intracerebral Injection of Graphene Oxide Nanosheets Mitigates Microglial Activation Without Inducing Acute Neurotoxicity: A Pilot Comparison to Other Nanomaterials. <i>Small</i> , 2020, 16, e2004029.	5.2	19
72	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. <i>JPhys Materials</i> , 2020, 3, 034009.	1.8	29

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73	Tailoring the sensing abilities of carbon nanodots obtained from olive solid wastes. <i>Carbon</i> , 2020, 167, 696-708.	5.4	46
74	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , 2020, 15, 164-166.	15.6	69
75	Supramolecular Chiral Discrimination of D-Phenylalanine Amino Acid Based on a Perylene Bisimide Derivative. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 160.	2.0	9
76	Carbon Dots as Nano-Organocatalysts for Synthetic Applications. <i>ACS Catalysis</i> , 2020, 10, 8090-8105.	5.5	111
77	Concise, Single-Step Synthesis of Sulfur-Enriched Graphene: Immobilization of Molecular Clusters and Battery Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7836-7841.	7.2	16
78	Tuning Neuronal Circuit Formation in 3D Polymeric Scaffolds by Introducing Graphene at the Bio/Material Interface. <i>Advanced Biology</i> , 2020, 4, 1900233.	3.0	12
79	Into the carbon: A matter of core and shell in advanced electrocatalysis. <i>APL Materials</i> , 2020, 8, .	2.2	12
80	Beyond graphene oxide acidity: Novel insights into graphene related materials effects on the sexual reproduction of seed plants. <i>Journal of Hazardous Materials</i> , 2020, 393, 122380.	6.5	14
81	Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. <i>Small</i> , 2020, 16, e1904619.	5.2	53
82	Mass spectrometry of carbohydrate-protein interactions on a glycan array conjugated to CVD graphene surfaces. <i>2D Materials</i> , 2020, 7, 024003.	2.0	10
83	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	2.0	333
84	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12779-12784.	7.2	28
85	Symmetry-Breaking Charge-Transfer Chromophore Interactions Supported by Carbon Nanodots. <i>Angewandte Chemie</i> , 2020, 132, 12879-12884.	1.6	4
86	Concise, Single-Step Synthesis of Sulfur-Enriched Graphene: Immobilization of Molecular Clusters and Battery Applications. <i>Angewandte Chemie</i> , 2020, 132, 7910-7915.	1.6	4
87	Mapping the Surface Groups of Amine-Rich Carbon Dots Enables Covalent Catalysis in Aqueous Media. <i>CheM</i> , 2020, 6, 3022-3037.	5.8	46
88	Functional rewiring across spinal injuries via biomimetic nanofiber scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25212-25218.	3.3	23
89	Tracking Ultrafast Charge Separation in a PBI-based Biomimetic Complex for Oxygen Evolution. , 2020, , .		0
90	The Rise of Hydrogen Peroxide as the Main Product by Metal-Free Catalysis in Oxygen Reductions. <i>Advanced Materials</i> , 2019, 31, e1802920.	11.1	251

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91	Solar-driven chemistry: towards new catalytic solutions for a sustainable world. <i>Rendiconti Lincei</i> , 2019, 30, 443-452.	1.0	25
92	High-Yield Preparation of Exfoliated 1T-MoS <sub>2</sub> with SERS Activity. <i>Chemistry of Materials</i> , 2019, 31, 5725-5734.	3.2	126
93	Design, Synthesis, and Functionalization Strategies of Tailored Carbon Nanodots. <i>Accounts of Chemical Research</i> , 2019, 52, 2070-2079.	7.6	172
94	Chemically Cross-Linked Carbon Nanotube Films Engineered to Control Neuronal Signaling. <i>ACS Nano</i> , 2019, 13, 8879-8889.	7.3	28
95	Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga <i>Trebouxia gelatinosa</i> . <i>Nanotoxicology</i> , 2019, 13, 492-509.	1.6	12
96	Use of Nitrogen-Doped Carbon Nanodots for the Photocatalytic Fluoroalkylation of Organic Compounds. <i>Chemistry - A European Journal</i> , 2019, 25, 16032-16036.	1.7	35
97	Preparation, functionalization and characterization of engineered carbon nanodots. <i>Nature Protocols</i> , 2019, 14, 2931-2953.	5.5	96
98	Ex-Solution Synthesis of Sub-5-nm FeO Nanoparticles on Mesoporous Hollow N,O-Doped Carbon Nanoshells for Electrocatalytic Oxygen Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 6092-6097.	2.4	30
99	Singlet oxygen photo-production by perylene bisimide derivative Langmuir-Schaefer films for photodynamic therapy applications. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 390-401.	5.0	13
100	Visible-Light-Mediated Iodoperfluoroalkylation of Alkenes in Flow and Its Application to the Synthesis of a Key Fulvestrant Intermediate. <i>Organic Letters</i> , 2019, 21, 5341-5345.	2.4	81
101	Biocompatibility and biodegradability of 2D materials: graphene and beyond. <i>Chemical Communications</i> , 2019, 55, 5540-5546.	2.2	158
102	Gold Nanoparticle-Functionalized Reverse Thermal Gel for Tissue Engineering Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18671-18680.	4.0	47
103	Advanced carbon nanomaterials for electrochemiluminescent biosensor applications. <i>Current Opinion in Electrochemistry</i> , 2019, 16, 66-74.	2.5	75
104	Carbon nanodot-based heterostructures for improving the charge separation and the photocurrent generation. <i>Nanoscale</i> , 2019, 11, 7414-7423.	2.8	22
105	Cross-Linked Carbon Nanotube Adsorbents for Water Treatment: Tuning the Sorption Capacity through Chemical Functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12920-12930.	4.0	45
106	The use of functionalized carbon xerogels in cells growth. <i>Materials Science and Engineering C</i> , 2019, 100, 598-607.	3.8	10
107	Perylene Bisimide Aggregates as Probes for Subnanomolar Discrimination of Aromatic Biogenic Amines. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17079-17089.	4.0	38
108	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. <i>Nano Letters</i> , 2019, 19, 2858-2870.	4.5	43

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109	A Recyclable Chiral 2-(Triphenylmethyl)pyrrolidine Organocatalyst Anchored to [60]Fullerene. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2936-2944.	2.1	12
110	Carbon Nanostructures in Rotaxane Architectures. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3371-3383.	1.2	15
111	Highly Performing Iodoperfluoroalkylation of Alkenes Triggered by the Photochemical Activity of Perylene Diimides. <i>ChemPhotoChem</i> , 2019, 3, 193-197.	1.5	37
112	Selective Electrocatalytic H <sub>2</sub> O <sub>2</sub> Generation by Cobalt@N-Doped Graphitic Carbon Core-Shell Nanohybrids. <i>ChemSusChem</i> , 2019, 12, 1664-1672.	3.6	40
113	Controlling Size-Dispersion of Single Walled Carbon Nanotubes by Interaction with Polyoxometalates Armed with a Tryptophan Tweezer. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 374-379.	1.0	6
114	Properties and behavior of carbon nanomaterials when interfacing neuronal cells: How far have we come?. <i>Carbon</i> , 2019, 143, 430-446.	5.4	135
115	The reactivity of reduced graphene depends on solvation. <i>2D Materials</i> , 2019, 6, 025009.	2.0	12
116	Hierarchical organization of perylene bisimides and polyoxometalates for photo-assisted water oxidation. <i>Nature Chemistry</i> , 2019, 11, 146-153.	6.6	132
117	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. <i>Angewandte Chemie</i> , 2018, 130, 5156-5161.	1.6	23
118	Graphene Oxide Nanosheets and Neural System: From Synaptic Modulation to Neuroinflammation. <i>Biophysical Journal</i> , 2018, 114, 672a.	0.2	1
119	Customizing the Electrochemical Properties of Carbon Nanodots by Using Quinones in Bottom-Up Synthesis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5062-5067.	7.2	66
120	The idebenone metabolite QS10 restores electron transfer in complex I and coenzyme Q defects. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 901-908.	0.5	31
121	Pd@TiO <sub>2</sub> /carbon nanohorn electrocatalysts: reversible CO <sub>2</sub> hydrogenation to formic acid. <i>Energy and Environmental Science</i> , 2018, 11, 1571-1580.	15.6	47
122	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 356-365.	10.8	29
123	Single Layer Graphene Promotes Neuronal Activity by Regulating Potassium Ion Channels in Cultured Neuronal Networks. <i>Biophysical Journal</i> , 2018, 114, 393a.	0.2	1
124	Production of ready-to-use few-layer graphene in aqueous suspensions. <i>Nature Protocols</i> , 2018, 13, 495-506.	5.5	62
125	Screening Supramolecular Interactions between Carbon Nanodots and Porphyrins. <i>Journal of the American Chemical Society</i> , 2018, 140, 904-907.	6.6	59
126	Nitrogen-Doped Carbon Nanodots-Ionogels: Preparation, Characterization, and Radical Scavenging Activity. <i>ACS Nano</i> , 2018, 12, 1296-1305.	7.3	77



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127	A water-soluble, bay-functionalized peryleneimide derivative “ correlating aggregation and excited state dynamics. <i>Nanoscale</i> , 2018, 10, 2317-2326.	2.8	10
128	Microwave-induced covalent functionalization of few-layer graphene with arynes under solvent-free conditions. <i>Chemical Communications</i> , 2018, 54, 2086-2089.	2.2	29
129	Gas-Phase Functionalization of Macroscopic Carbon Nanotube Fiber Assemblies: Reaction Control, Electrochemical Properties, and Use for Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5760-5770.	4.0	53
130	N-Doped Graphitized Carbon Nanohorns as a Forefront Electrocatalyst in Highly Selective O <sub>2</sub> Reduction to H <sub>2</sub> O <sub>2</sub> . <i>CheM</i> , 2018, 4, 106-123.	5.8	348
131	Tuning the Carbon Nanotube Selectivity: Optimizing Reduction Potentials and Distortion Angles in Peryleneimides. <i>Journal of the American Chemical Society</i> , 2018, 140, 5427-5433.	6.6	12
132	Nanostructures to Engineer 3D Neural Interfaces: Directing Axonal Navigation toward Successful Bridging of Spinal Segments. <i>Advanced Functional Materials</i> , 2018, 28, 1700550.	7.8	26
133	Nanostructured carbon supported Pd-ceria as anode catalysts for anion exchange membrane fuel cells fed with polyalcohols. <i>Inorganica Chimica Acta</i> , 2018, 470, 213-220.	1.2	15
134	Sculpting neurotransmission during synaptic development by 2D nanostructured interfaces. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2521-2532.	1.7	28
135	Three-Dimensional Conductive Scaffolds as Neural Prostheses Based on Carbon Nanotubes and Polypyrrole. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43904-43914.	4.0	45
136	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. <i>ACS Nano</i> , 2018, 12, 10582-10620.	7.3	438
137	3D Carbon-Nanotube-Based Composites for Cardiac Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2018, 1, 1530-1537.	2.3	57
138	Oxidized Nanocarbons-Tripeptide Supramolecular Hydrogels: Shape Matters!. <i>ACS Nano</i> , 2018, 12, 5530-5538.	7.3	61
139	Metal-free dual-phase full organic carbon nanotubes/g-C <sub>3</sub> N <sub>4</sub> heteroarchitectures for photocatalytic hydrogen production. <i>Nano Energy</i> , 2018, 50, 468-478.	8.2	133
140	Graphene oxide impairs the pollen performance of <i>Nicotiana tabacum</i> and <i>Corylus avellana</i> suggesting potential negative effects on the sexual reproduction of seed plants. <i>Environmental Science: Nano</i> , 2018, 5, 1608-1617.	2.2	18
141	High-yield production of 2D crystals by wet-jet milling. <i>Materials Horizons</i> , 2018, 5, 890-904.	6.4	139
142	Ionic liquids plus microwave irradiation: a general methodology for the retro-functionalization of single-walled carbon nanotubes. <i>Nanoscale</i> , 2018, 10, 15782-15787.	2.8	7
143	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. <i>Nature Communications</i> , 2018, 9, 3442.	5.8	169
144	Nitrogen-doped carbon nanodots for bioimaging and delivery of paclitaxel. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5540-5548.	2.9	139

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145	Occupational exposure to graphene based nanomaterials: risk assessment. <i>Nanoscale</i> , 2018, 10, 15894-15903.	2.8	82
146	Inter-Backbone Charge Transfer as Prerequisite for Long-Range Conductivity in Perylene Bisimide Hydrogels. <i>ACS Nano</i> , 2018, 12, 5800-5806.	7.3	8
147	Single-layer graphene modulates neuronal communication and augments membrane ion currents. <i>Nature Nanotechnology</i> , 2018, 13, 755-764.	15.6	120
148	Graphene and graphene oxide induce ROS production in human HaCaT skin keratinocytes: the role of xanthine oxidase and NADH dehydrogenase. <i>Nanoscale</i> , 2018, 10, 11820-11830.	2.8	90
149	Ruthenium based photosensitizer/catalyst supramolecular architectures in light driven water oxidation. <i>Inorganica Chimica Acta</i> , 2017, 454, 171-175.	1.2	18
150	Nanocrystalline cellulose-fullerene: Novel conjugates. <i>Carbohydrate Polymers</i> , 2017, 164, 92-101.	5.1	17
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