

Feng Yan

List of Publications by Year in descending order

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725
papers

45,436
citations

1371

108
h-index

4228

174
g-index

738
all docs

738
docs citations

738
times ranked

46495
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced applications of ionic liquids in polymer science. <i>Progress in Polymer Science</i> , 2009, 34, 431-448.	24.7	985
2	Human hair-derived carbon flakes for electrochemical supercapacitors. <i>Energy and Environmental Science</i> , 2014, 7, 379-386.	30.8	907
3	Frontiers in poly(ionic liquid)s: syntheses and applications. <i>Chemical Society Reviews</i> , 2017, 46, 1124-1159.	38.1	843
4	Organic Thin-Film Transistors for Chemical and Biological Sensing. <i>Advanced Materials</i> , 2012, 24, 34-51.	21.0	760
5	Infrared Photodetectors Based on CVD-Grown Graphene and PbS Quantum Dots with Ultrahigh Responsivity. <i>Advanced Materials</i> , 2012, 24, 5878-5883.	21.0	698
6	PEDOT:PSS for Flexible and Stretchable Electronics: Modifications, Strategies, and Applications. <i>Advanced Science</i> , 2019, 6, 1900813.	11.2	563
7	Photodetectors Based on Two-Dimensional Layered Materials Beyond Graphene. <i>Advanced Functional Materials</i> , 2017, 27, 1603886.	14.9	534
8	Efficient and stable perovskite solar cells prepared in ambient air irrespective of the humidity. <i>Nature Communications</i> , 2016, 7, 11105.	12.8	488
9	Efficient Semitransparent Perovskite Solar Cells with Graphene Electrodes. <i>Advanced Materials</i> , 2015, 27, 3632-3638.	21.0	456
10	Recent progress of inorganic perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 2375-2405.	30.8	405
11	Biomedical and clinical applications of immunoassays and immunosensors for tumor markers. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 679-688.	11.4	404
12	Antioxidant Grain Passivation for Air-Stable Tin-Based Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 806-810.	13.8	369
13	High-Performance Hole-Extraction Layer of Sol-Gel-Processed NiO Nanocrystals for Inverted Planar Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12571-12575.	13.8	355
14	Flexible Organic Electronics in Biology: Materials and Devices. <i>Advanced Materials</i> , 2015, 27, 7493-7527.	21.0	353
15	The Application of Highly Doped Single-Layer Graphene as the Top Electrodes of Semitransparent Organic Solar Cells. <i>ACS Nano</i> , 2012, 6, 810-818.	14.6	297
16	Reusable and Recyclable Graphene Masks with Outstanding Superhydrophobic and Photothermal Performances. <i>ACS Nano</i> , 2020, 14, 6213-6221.	14.6	296
17	Cross-Linked Alkaline Ionic Liquid-Based Polymer Electrolytes for Alkaline Fuel Cell Applications. <i>Chemistry of Materials</i> , 2010, 22, 6718-6725.	6.7	294
18	Photosensitive Graphene Transistors. <i>Advanced Materials</i> , 2014, 26, 5239-5273.	21.0	290

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19	Poly(ionic liquid) hydrogel-based anti-freezing ionic skin for a soft robotic gripper. <i>Materials Horizons</i> , 2020, 7, 919-927.	12.2	289
20	Functionalized graphene and other two-dimensional materials for photovoltaic devices: device design and processing. <i>Chemical Society Reviews</i> , 2015, 44, 5638-5679.	38.1	283
21	Organic Electrochemical Transistors Integrated in Flexible Microfluidic Systems and Used for Label-Free DNA Sensing. <i>Advanced Materials</i> , 2011, 23, 4035-4040.	21.0	278
22	Flexible Organic Electrochemical Transistors for Highly Selective Enzyme Biosensors and Used for Saliva Testing. <i>Advanced Materials</i> , 2015, 27, 676-681.	21.0	278
23	Wafer-Scale Synthesis of High-Quality Semiconducting Two-Dimensional Layered InSe with Broadband Photoresponse. <i>ACS Nano</i> , 2017, 11, 4225-4236.	14.6	277
24	A highly sensitive ultraviolet sensor based on a facile in situ solution-grown ZnO nanorod/graphene heterostructure. <i>Nanoscale</i> , 2011, 3, 258-264.	5.6	273
25	Ultrasensitive broadband phototransistors based on perovskite/organic-semiconductor vertical heterojunctions. <i>Light: Science and Applications</i> , 2017, 6, e17023-e17023.	16.6	272
26	A review of recent developments in hydrogen production via biogas dry reforming. <i>Energy Conversion and Management</i> , 2018, 171, 133-155.	9.2	270
27	From reads to insight: a hitchhiker's guide to ATAC-seq data analysis. <i>Genome Biology</i> , 2020, 21, 22.	8.8	268
28	Alkaline Stable C2-Substituted Imidazolium-Based Anion-Exchange Membranes. <i>Chemistry of Materials</i> , 2013, 25, 1858-1867.	6.7	267
29	Flexible Photodetectors Based on Novel Functional Materials. <i>Small</i> , 2017, 13, 1701822.	10.0	259
30	Recent progress in tin-based perovskite solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 1286-1325.	30.8	257
31	The Application of Organic Electrochemical Transistors in Cell-Based Biosensors. <i>Advanced Materials</i> , 2010, 22, 3655-3660.	21.0	255
32	Package-Free Flexible Organic Solar Cells with Graphene top Electrodes. <i>Advanced Materials</i> , 2013, 25, 4296-4301.	21.0	253
33	A Soluble and Conductive Polyfluorene Ionomer with Pendant Imidazolium Groups for Alkaline Fuel Cell Applications. <i>Macromolecules</i> , 2011, 44, 9642-9649.	4.8	244
34	Highly Sensitive Glucose Biosensors Based on Organic Electrochemical Transistors Using Platinum Gate Electrodes Modified with Enzyme and Nanomaterials. <i>Advanced Functional Materials</i> , 2011, 21, 2264-2272.	14.9	243
35	Structure-Antibacterial Activity Relationships of Imidazolium-Type Ionic Liquid Monomers, Poly(ionic liquid) ETQq1. <i>Materials & Interfaces</i> , 2016, 8, 12684-12692.	8.0	240
36	Functionalized Organic Thin Film Transistors for Biosensing. <i>Accounts of Chemical Research</i> , 2019, 52, 277-287.	15.6	240

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37	Ionic liquidâ€‘based click-ionogels. <i>Science Advances</i> , 2019, 5, eaax0648.	10.3	230
38	Solution Processable Lowâ€‘Voltage Organic Thin Film Transistors with Highâ€‘k/i> Relaxor Ferroelectric Polymer as Gate Insulator. <i>Advanced Materials</i> , 2012, 24, 88-93.	21.0	227
39	Perovskiteâ€‘Based Phototransistors and Hybrid Photodetectors. <i>Advanced Functional Materials</i> , 2020, 30, 1903907.	14.9	225
40	Current Status and Opportunities of Organic Thin-Film Transistor Technologies. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 1906-1921.	3.0	224
41	Enhanced efficiency of polymer solar cells by adding a high-mobility conjugated polymer. <i>Energy and Environmental Science</i> , 2015, 8, 1463-1470.	30.8	216
42	Thin Film Fieldâ€‘Effect Phototransistors from Bandgapâ€‘Tunable, Solutionâ€‘Processed, Fewâ€‘Layer Reduced Graphene Oxide Films. <i>Advanced Materials</i> , 2010, 22, 4872-4876.	21.0	209
43	Copper(I) Thiocyanate (CuSCN) Holeâ€‘Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thinâ€‘Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1701818.	14.9	208
44	Highly sensitive dopamine biosensors based on organic electrochemical transistors. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4559-4563.	10.1	204
45	Ultrathin and flexible perovskite solar cells with graphene transparent electrodes. <i>Nano Energy</i> , 2016, 28, 151-157.	16.0	200
46	Emerging Semitransparent Solar Cells: Materials and Device Design. <i>Advanced Materials</i> , 2017, 29, 1700192.	21.0	200
47	Holeâ€‘Transporting Transistors and Circuits Based on the Transparent Inorganic Semiconductor Copper(I) Thiocyanate (CuSCN) Processed from Solution at Room Temperature. <i>Advanced Materials</i> , 2013, 25, 1504-1509.	21.0	196
48	Ion-Sensitive Properties of Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1637-1641.	8.0	195
49	Anionâ€‘Exchange Membranes for Alkaline Fuelâ€‘Cell Applications: The Effects of Cations. <i>ChemSusChem</i> , 2018, 11, 58-70.	6.8	194
50	Solutionâ€‘Processable Ultrathin Black Phosphorus as an Effective Electron Transport Layer in Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016, 26, 864-871.	14.9	187
51	Solutionâ€‘Phase Epitaxial Growth of Perovskite Films on 2D Material Flakes for Highâ€‘Performance Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1807689.	21.0	185
52	An ultra-small NiFe₂O₄ hollow particle/graphene hybrid: fabrication and electromagnetic wave absorption property. <i>Nanoscale</i> , 2018, 10, 2697-2703.	5.6	184
53	Alkaline imidazolium- and quaternary ammonium-functionalized anion exchange membranes for alkaline fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 1040-1045.	6.7	179
54	Organic Flexible Electronics. <i>Small Methods</i> , 2018, 2, 1800070.	8.6	177

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55	Streptavidin-Functionalized Silver-Nanoparticle-Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. <i>Advanced Functional Materials</i> , 2011, 21, 2938-2943.	14.9	176
56	Rapid-Response, Low Detection Limit, and High-Sensitivity Capacitive Flexible Tactile Sensor Based on Three-Dimensional Porous Dielectric Layer for Wearable Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40716-40725.	8.0	173
57	An overview of graphene-based hydroxyapatite composites for orthopedic applications. <i>Bioactive Materials</i> , 2018, 3, 1-18.	15.6	171
58	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2006, 22, 102-108.	10.1	169
59	Highly sensitive glucose sensors based on enzyme-modified whole-graphene solution-gated transistors. <i>Scientific Reports</i> , 2015, 5, 8311.	3.3	167
60	Electrolyte-gated transistors for synaptic electronics, neuromorphic computing, and adaptable biointerfacing. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	166
61	MicroRNA-424 Protects Against Focal Cerebral Ischemia and Reperfusion Injury in Mice by Suppressing Oxidative Stress. <i>Stroke</i> , 2015, 46, 513-519.	2.0	165
62	All-Solution-Processed Metal-Oxide-Free Flexible Organic Solar Cells with Over 10% Efficiency. <i>Advanced Materials</i> , 2018, 30, e1800075.	21.0	165
63	Polyethyleneimine-nano silica composites: a low-cost and promising adsorbent for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2166-2175.	10.3	164
64	Porous ionic polymers: Design, synthesis, and applications. <i>Progress in Polymer Science</i> , 2018, 79, 121-143.	24.7	161
65	Solution-Gated Graphene Transistors for Chemical and Biological Sensors. <i>Advanced Healthcare Materials</i> , 2014, 3, 313-331.	7.6	158
66	TREM2 activation attenuates neuroinflammation and neuronal apoptosis via PI3K/Akt pathway after intracerebral hemorrhage in mice. <i>Journal of Neuroinflammation</i> , 2020, 17, 168.	7.2	156
67	Melatonin-enhanced autophagy protects against neural apoptosis via a mitochondrial pathway in early brain injury following a subarachnoid hemorrhage. <i>Journal of Pineal Research</i> , 2014, 56, 12-19.	7.4	154
68	Calcium-looping reforming of methane realizes in situ CO ₂ utilization with improved energy efficiency. <i>Science Advances</i> , 2019, 5, eaav5077.	10.3	153
69	Highly Sensitive Detection of Protein Biomarkers with Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2017, 29, 1703787.	21.0	152
70	Highly Stable N3-Substituted Imidazolium-Based Alkaline Anion Exchange Membranes: Experimental Studies and Theoretical Calculations. <i>Macromolecules</i> , 2014, 47, 208-216.	4.8	150
71	Synthesis of Pyrrolidinium-Type Poly(ionic liquid) Membranes for Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10504-10511.	8.0	148
72	Transfer-Printed PEDOT:PSS Electrodes Using Mild Acids for High Conductivity and Improved Stability with Application to Flexible Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14029-14036.	8.0	145

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73	One-Pot Synthesis and Purification of Ultralong Silver Nanowires for Flexible Transparent Conductive Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25465-25473.	8.0	145
74	The influence of polyethyleneimine type and molecular weight on the CO ₂ capture performance of PEI-nano silica adsorbents. <i>Applied Energy</i> , 2014, 136, 750-755.	10.1	143
75	Magnetic functional heterojunction reactors with 3D specific recognition for selective photocatalysis and synergistic photodegradation in binary antibiotic solutions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13986-14000.	10.3	140
76	High-Performance Dopamine Sensors Based on Whole-Cell Graphene Solution-Gated Transistors. <i>Advanced Functional Materials</i> , 2014, 24, 978-985.	14.9	139
77	Fabric Organic Electrochemical Transistors for Biosensors. <i>Advanced Materials</i> , 2018, 30, e1800051.	21.0	137
78	Graded bulk-heterojunction enables 17% binary organic solar cells via nonhalogenated open air coating. <i>Nature Communications</i> , 2021, 12, 4815.	12.8	135
79	Self-supported NiMo-based nanowire arrays as bifunctional electrocatalysts for full water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8479-8487.	10.3	134
80	Electric-Field-Induced Gradient Ionogels for Highly Sensitive, Broad-Range Response, and Freeze/Heat-Resistant Ionic Fingers. <i>Advanced Materials</i> , 2021, 33, e2008486.	21.0	134
81	Neutral-Color Semitransparent Organic Solar Cells with All-Graphene Electrodes. <i>ACS Nano</i> , 2015, 9, 12026-12034.	14.6	132
82	Independent Amplitude Control of Arbitrary Orthogonal States of Polarization via Dielectric Metasurfaces. <i>Physical Review Letters</i> , 2020, 125, 267402.	7.8	131
83	Nitrogen-doped mesoporous carbons originated from ionic liquids as electrode materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6373.	10.3	130
84	Ultrafast laser-annealing of perovskite films for efficient perovskite solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 1187-1196.	30.8	129
85	Organic Semiconductors in Organic Thin-Film Transistor-Based Chemical and Biological Sensors. <i>Polymer Reviews</i> , 2013, 53, 352-406.	10.9	128
86	Pine cone shell-based activated carbon used for CO ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5223-5234.	10.3	128
87	Au/Ag core-shell nanocuboids for high-efficiency organic solar cells with broadband plasmonic enhancement. <i>Energy and Environmental Science</i> , 2016, 9, 898-905.	30.8	127
88	Electric Field-Driven Strategy for Multiplexed Detection of Protein Biomarkers Using a Disposable Reagentless Electrochemical Immunosensor Array. <i>Analytical Chemistry</i> , 2008, 80, 6072-6077.	6.5	126
89	Highly selective and sensitive glucose sensors based on organic electrochemical transistors with graphene-modified gate electrodes. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3820.	5.8	126
90	Highly Air-Stable Tin-Based Perovskite Solar Cells through Grain-Surface Protection by Gallic Acid. <i>ACS Energy Letters</i> , 2020, 5, 1741-1749.	17.4	126

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91	Base Stable Pyrrolidinium Cations for Alkaline Anion Exchange Membrane Applications. <i>Macromolecules</i> , 2014, 47, 6740-6747.	4.8	125
92	Stroke prevention and control system in China: CSPPC-Stroke Program. <i>International Journal of Stroke</i> , 2021, 16, 265-272.	5.9	125
93	Organic phototransistor based on poly(3-hexylthiophene)/TiO ₂ nanoparticle composite. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	124
94	Intrinsically Antibacterial Poly(ionic liquid) Membranes: The Synergistic Effect of Anions. <i>ACS Macro Letters</i> , 2015, 4, 1094-1098.	4.8	124
95	Dithiafulvenyl Unit as a New Donor for High-Efficiency Dye-Sensitized Solar Cells: Synthesis and Demonstration of a Family of Metal-Free Organic Sensitizers. <i>Organic Letters</i> , 2012, 14, 2214-2217.	4.6	122
96	Solution-Gated Graphene Field Effect Transistors Integrated in Microfluidic Systems and Used for Flow Velocity Detection. <i>Nano Letters</i> , 2012, 12, 1404-1409.	9.1	121
97	Melatonin-mediated mitophagy protects against early brain injury after subarachnoid hemorrhage through inhibition of NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2017, 7, 2417.	3.3	121
98	Effects of Substituents and Substitution Positions on Alkaline Stability of Imidazolium Cations and Their Corresponding Anion-Exchange Membranes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4346-4355.	8.0	120
99	Organic electrochemical transistors with graphene-modified gate electrodes for highly sensitive and selective dopamine sensors. <i>Journal of Materials Chemistry B</i> , 2014, 2, 191-200.	5.8	119
100	Detection of bacteria with organic electrochemical transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 22072.	6.7	118
101	Sn-Based Perovskite for Highly Sensitive Photodetectors. <i>Advanced Science</i> , 2019, 6, 1900751.	11.2	118
102	Recent Progress in Short- to Long-Wave Infrared Photodetection Using 2D Materials and Heterostructures. <i>Advanced Optical Materials</i> , 2021, 9, 2001708.	7.3	118
103	Prevalence and risk factors for dyslipidemia among adults in rural and urban China: findings from the China National Stroke Screening and prevention project (CNSSPP). <i>BMC Public Health</i> , 2019, 19, 1500.	2.9	117
104	Conductive CuCo-Based Bimetal Organic Framework for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2021, 33, e2106781.	21.0	116
105	Realizing 17.5% Efficiency Flexible Organic Solar Cells via Atomic-Level Chemical Welding of Silver Nanowire Electrodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 8658-8668.	13.7	116
106	Two-Dimensional Material Membranes: An Emerging Platform for Controllable Mass Transport Applications. <i>Small</i> , 2014, 10, 4521-4542.	10.0	115
107	Minocycline Protects Against NLRP3 Inflammasome-Induced Inflammation and P53-Associated Apoptosis in Early Brain Injury After Subarachnoid Hemorrhage. <i>Molecular Neurobiology</i> , 2016, 53, 2668-2678.	4.0	115
108	Black Phosphorus Quantum Dots Used for Boosting Light Harvesting in Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13717-13721.	13.8	113

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109	Recent progress in printable organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 790-808.	5.5	113
110	Regulating Infrared Photoresponses in Reduced Graphene Oxide Phototransistors by Defect and Atomic Structure Control. <i>ACS Nano</i> , 2013, 7, 6310-6320.	14.6	112
111	Bis-imidazolium based poly(phenylene oxide) anion exchange membranes for fuel cells: the effect of cross-linking. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13275-13283.	10.3	112
112	A Disposable Multianalyte Electrochemical Immunosensor Array for Automated Simultaneous Determination of Tumor Markers. <i>Clinical Chemistry</i> , 2007, 53, 1495-1502.	3.2	111
113	Thermo- and electro-dual responsive poly(ionic liquid) electrolyte based smart windows. <i>Chemical Communications</i> , 2017, 53, 1595-1598.	4.1	111
114	Ultrafast, sensitive, and portable detection of COVID-19 IgG using flexible organic electrochemical transistors. <i>Science Advances</i> , 2021, 7, eabg8387.	10.3	111
115	Perovskite/Poly(3-hexylthiophene)/Graphene Multiheterojunction Phototransistors with Ultrahigh Gain in Broadband Wavelength Region. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1569-1576.	8.0	110
116	Salidroside provides neuroprotection by modulating microglial polarization after cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2018, 15, 39.	7.2	110
117	Moisture-Resistant, Breathable, and Intrinsically Antibacterial Electronic Skin Based on Dual-Gradient Poly(ionic liquid) Nanofiber Membranes. <i>Advanced Materials</i> , 2022, 34, e2106570.	21.0	110
118	Condiment-Derived 3D Architecture Porous Carbon for Electrochemical Supercapacitors. <i>Small</i> , 2015, 11, 4959-4969.	10.0	109
119	Tunable active edge sites in PtSe ₂ films towards hydrogen evolution reaction. <i>Nano Energy</i> , 2017, 42, 26-33.	16.0	109
120	The Alkaline Stability of Anion Exchange Membrane for Fuel Cell Applications: The Effects of Alkaline Media. <i>Advanced Science</i> , 2018, 5, 1800065.	11.2	107
121	Influence of Silica Types on Synthesis and Performance of Amine-Silica Hybrid Materials Used for CO ₂ Capture. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2454-2462.	3.1	106
122	Label-free DNA sensor based on organic thin film transistors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1241-1245.	10.1	103
123	Ferric citrate-derived N-doped hierarchical porous carbons for oxygen reduction reaction and electrochemical supercapacitors. <i>Carbon</i> , 2017, 115, 1-10.	10.3	102
124	MicroRNA-23a-3p attenuates oxidative stress injury in a mouse model of focal cerebral ischemia-reperfusion. <i>Brain Research</i> , 2014, 1592, 65-72.	2.2	101
125	Antibacterial activity of cationic polymers: side-chain or main-chain type?. <i>Polymer Chemistry</i> , 2018, 9, 4611-4616.	3.9	98
126	Enhanced performance of tin-based perovskite solar cells induced by an ammonium hypophosphite additive. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26580-26585.	10.3	98

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127	MicroRNA-124-Mediated Regulation of Inhibitory Member of Apoptosis-Stimulating Protein of p53 Family in Experimental Stroke. <i>Stroke</i> , 2013, 44, 1973-1980.	2.0	97
128	Influence of Side-Chain Regiochemistry on the Transistor Performance of High-Mobility, All-Donor Polymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 15154-15157.	13.7	97
129	Mdivi-1 ameliorates early brain injury after subarachnoid hemorrhage via the suppression of inflammation-related blood-brain barrier disruption and endoplasmic reticulum stress-based apoptosis. <i>Free Radical Biology and Medicine</i> , 2017, 112, 336-349.	2.9	97
130	Selective Ferroptosis Inhibitor Liproxstatin-1 Attenuates Neurological Deficits and Neuroinflammation After Subarachnoid Hemorrhage. <i>Neuroscience Bulletin</i> , 2021, 37, 535-549.	2.9	97
131	Low Temperature Fabrication for High Performance Flexible CsPbI ₂ Br Perovskite Solar Cells. <i>Advanced Science</i> , 2018, 5, 1801117.	11.2	96
132	Melatonin attenuates inflammatory response-induced brain edema in early brain injury following a subarachnoid hemorrhage: a possible role for the regulation of pro-inflammatory cytokines. <i>Journal of Pineal Research</i> , 2014, 57, 340-347.	7.4	94
133	Salt-Assisted High-Throughput Synthesis of Single- and Few-Layer Transition Metal Dichalcogenides and Their Application in Organic Solar Cells. <i>Small</i> , 2014, 10, 4651-4657.	10.0	94
134	Zinc Ion Coordinated Poly(Ionic Liquid) Antimicrobial Membranes for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14656-14664.	8.0	94
135	Performance Enhancement of Perovskite Solar Cells Induced by Lead Acetate as an Additive. <i>Solar Rrl</i> , 2018, 2, 1800066.	5.8	94
136	Hierarchically Structured Calcium Silicate Hydrate-Based Nanocomposites Derived from Steel Slag for Highly Efficient Heavy Metal Removal from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14926-14935.	6.7	94
137	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, .	19.5	94
138	N-Type Organic Semiconductors Based on π -Deficient Pentacenequinones: Synthesis, Electronic Structures, Molecular Packing, and Thin Film Transistors. <i>Chemistry of Materials</i> , 2010, 22, 6438-6443.	6.7	93
139	Platinum(II)-Bis(aryleneethynylene) Complexes for Solution-Processible Molecular Bulk Heterojunction Solar Cells. <i>Chemistry - A European Journal</i> , 2012, 18, 1502-1511.	3.3	93
140	Two-dimensional materials in perovskite solar cells. <i>Materials Today Energy</i> , 2019, 11, 128-158.	4.7	93
141	Formation and Healing of Vacancies in Graphene Chemical Vapor Deposition (CVD) Growth. <i>Journal of the American Chemical Society</i> , 2013, 135, 4476-4482.	13.7	91
142	N-Doped graphene-supported Co@CoO core-shell nanoparticles as high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12046-12053.	10.3	91
143	High-Performance, Self-Powered Photodetectors Based on Perovskite and Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42779-42787.	8.0	91
144	Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc-Air Batteries. <i>Small Methods</i> , 2020, 4, 1900571.	8.6	91

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145	Plasmonic and Superhydrophobic Self-Decontaminating N95 Respirators. <i>ACS Nano</i> , 2020, 14, 8846-8854.	14.6	90
146	HDAC2 Selectively Regulates FOXO3a-Mediated Gene Transcription during Oxidative Stress-Induced Neuronal Cell Death. <i>Journal of Neuroscience</i> , 2015, 35, 1250-1259.	3.6	89
147	Ultrasmall FeNi ₃ N particles with an exposed active (110) surface anchored on nitrogen-doped graphene for multifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1083-1091.	10.3	89
148	Hybrid solar cells based on poly(3-hexylthiophene) and electrospun TiO ₂ nanofibers with effective interface modification. <i>Journal of Materials Chemistry</i> , 2010, 20, 7366.	6.7	88
149	The Polarization States of Microglia in TBI: A New Paradigm for Pharmacological Intervention. <i>Neural Plasticity</i> , 2017, 2017, 1-11.	2.2	88
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