Given Names Deactivated Family Name

List of Publications by Year
in descending order

253 papers	31,523 citations	8159 76 h-index	4323 173 g-index
255 all docs	255 docs citations	255 times ranked	35095 citing authors

#	Article	IF	Citations
1	Flexible Graphene Films via the Filtration of Water-Soluble Noncovalent Functionalized Graphene Sheets. Journal of the American Chemical Society, 2008, 130, 5856-5857.	6.6	3,085
2	Self-Assembled Graphene Hydrogel via a One-Step Hydrothermal Process. ACS Nano, 2010, 4, 4324-4330.	7.3	2,999
3	An improved Hummers method for eco-friendly synthesis of graphene oxide. Carbon, 2013, 64, 225-229.	5.4	1,785
4	Functional Composite Materials Based on Chemically Converted Graphene. Advanced Materials, 2011, 23, 1089-1115.	11.1	973
5	Transparent graphene/PEDOTâ€“PSS composite films as counter electrodes of dye-sensitized solar cells. Electrochemistry Communications, 2008, 10, 1555-1558.	2.3	802
6	Three-dimensional graphene architectures. Nanoscale, 2012, 4, 5549.	2.8	754
7	Graphene based catalysts. Energy and Environmental Science, 2012, 5, 8848.	15.6	726
8	The Transporter Classification Database (TCDB): recent advances. Nucleic Acids Research, 2016, 44, D372-D379.	6.5	711
9	Strong and ductile poly(vinyl alcohol)/graphene oxide composite films with a layered structure. Carbon, 2009, 47, 3538-3543.	5.4	671
10	A pH-sensitive graphene oxide composite hydrogel. Chemical Communications, 2010, 46, 2376.	2.2	617
11	Conducting polymer nanomaterials: electrosynthesis and applications. Chemical Society Reviews, 2009, 38, 2397.	18.7	615
12	On the Gelation of Graphene Oxide. Journal of Physical Chemistry C, 2011, 115, 5545-5551.	1.5	603
13	Non-covalent functionalization of graphene sheets by sulfonated polyaniline. Chemical Communications, 2009, , 1667.	2.2	569
14	Ultrahigh-rate supercapacitors based on eletrochemically reduced graphene oxide for ac line-filtering. Scientific Reports, 2012, 2, 247.	1.6	559
15	Chemically Converted Graphene Induced Molecular Flattening of 5,10,15,20-Tetrakis(1-methyl-4-pyridinio)porphyrin and Its Application for Optical Detection of Cadmium(II) Ions. Journal of the American Chemical Society, 2009, 131, 13490-13497.	6.6	497
16	High-yield preparation of graphene oxide from small graphite flakes via an improved Hummers method with a simple purification process. Carbon, 2015, 81, 826-834.	5.4	443
17	The edge- and basal-plane-specific electrochemistry of a single-layer graphene sheet. Scientific Reports, 2013, 3, 2248.	1.6	432
18	Graphene Hydrogels Deposited in Nickel Foams for Highâ€Rate Electrochemical Capacitors. Advanced Materials, 2012, 24, 4569-4573.	11.1	409

#	Article	IF	Citations
19	Highâ€Performance NO₂ Sensors Based on Chemically Modified Graphene. Advanced Materials, 2013, 25, 766-771.	11.1	404
20	Highly Compressible Macroporous Graphene Monoliths via an Improved Hydrothermal Process. Advanced Materials, 2014, 26, 4789-4793.	11.1	354
21	Graphene-Based Membranes for Molecular Separation. Journal of Physical Chemistry Letters, 2015, 6, 2806-2815.	2.1	316
22	Graphene Materials for Electrochemical Capacitors. Journal of Physical Chemistry Letters, 2013, 4, 1244-1253.	2.1	288
23	Chemically converted graphene as substrate for immobilizing and enhancing the activity of a polymeric catalyst. Chemical Communications, 2010, 46, 4740.	2.2	287
24	High-performance self-assembled graphene hydrogels prepared by chemical reduction of graphene oxide. New Carbon Materials, 2011, 26, 9-15.	2.9	283
25	Graphene oxide/conducting polymer composite hydrogels. Journal of Materials Chemistry, 2011, 21, 18653.	6.7	283
26	Functional Gels Based on Chemically Modified Graphenes. Advanced Materials, 2014, 26, 3992-4012.	11.1	276
27	Large scale preparation of graphene quantum dots from graphite with tunable fluorescence properties. Physical Chemistry Chemical Physics, 2013, 15, 9907.	1.3	266
28	Water-enhanced oxidation of graphite to graphene oxide with controlled species of oxygenated groups. Chemical Science, 2016, 7, 1874-1881.	3.7	251
29	Electrochemical Deposition of Polypyrrole/Sulfonated Graphene Composite Films. Journal of Physical Chemistry C, 2010, 114, 22783-22789.	1.5	236
30	Hydrogen Evolution Reaction in Alkaline Media: Alpha- or Beta-Nickel Hydroxide on the Surface of Platinum?. ACS Energy Letters, 2018, 3, 237-244.	8.8	230
31	A graphene oxide/hemoglobin composite hydrogel for enzymatic catalysis in organic solvents. Chemical Communications, 2011, 47, 4962.	2.2	225
32	Bilayer of polyelectrolyte films for spontaneous power generation in air up to an integrated 1,000â€‰V output. Nature Nanotechnology, 2021, 16, 811-819.	15.6	193
33	Highly conductive chemically converted graphene prepared from mildly oxidized graphene oxide. Journal of Materials Chemistry, 2011, 21, 7376.	6.7	187
34	Ultratough, Ultrastrong, and Highly Conductive Graphene Films with Arbitrary Sizes. Advanced Materials, 2014, 26, 7588-7592.	11.1	182
35	Direct liquefaction of Dunaliella tertiolecta for bio-oil in sub/supercritical ethanolâ€“water. Bioresource Technology, 2012, 124, 190-198.	4.8	179
36	Bio-oil production from sub- and supercritical water liquefaction of microalgae Dunaliella tertiolecta and related properties. Energy and Environmental Science, 2010, 3, 1073-1078.	15.6	178

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37	Synthesis of gold@carbon dots composite nanoparticles for surface enhanced Raman scattering. Physical Chemistry Chemical Physics, 2012, 14, 7360.	1.3	161
38	Strong composite films with layered structures prepared by casting silk fibroinâ€“graphene oxide hydrogels. Nanoscale, 2013, 5, 3780.	2.8	160
39	Plant leaves inspired sunlight-driven purifier for high-efficiency clean water production. Nature Communications, 2019, 10, 1512.	5.8	160
40	Multifunctional Pristine Chemically Modified Graphene Films as Strong as Stainless Steel. Advanced Materials, 2015, 27, 6708-6713.	11.1	157
41	All-region-applicable, continuous power supply of graphene oxide composite. Energy and Environmental Science, 2019, 12, 1848-1856.	15.6	150
42	Size Fractionation of Graphene Oxide Sheets via Filtration through Trackâ€Etched Membranes. Advanced Materials, 2015, 27, 3654-3660.	11.1	149
43	High-Quality Graphene Ribbons Prepared from Graphene Oxide Hydrogels and Their Application for Strain Sensors. ACS Nano, 2015, 9, 12320-12326.	7.3	148
44	A lead-free two-dimensional perovskite for a high-performance flexible photoconductor and a light-stimulated synaptic device. Nanoscale, 2018, 10, 6837-6843.	2.8	146
45	Layer-by-layer assembly of graphene/polyaniline multilayer films and their application for electrochromic devices. Polymer, 2011, 52, 5567-5572.	1.8	145
46	An alumina stabilized ZnOâ€“graphene anode for lithium ion batteries via atomic layer deposition. Nanoscale, 2014, 6, 11419-11424.	2.8	142
47	An ultrahigh-rate electrochemical capacitor based on solution-processed highly conductive PEDOT:PSS films for AC line-filtering. Energy and Environmental Science, 2016, 9, 2005-2010.	15.6	142
48	A Turn-on Fluorescent Sensor for Pyrophosphate Based on the Disassembly of Cu²⁺-Mediated Perylene Diimide Aggregates. ACS Applied Materials & Interfaces, 2012, 4, 614-618.	4.0	139
49	Nanoporous nitrogen doped carbon modified graphene as electrocatalyst for oxygen reduction reaction. Journal of Materials Chemistry, 2012, 22, 12810.	6.7	138
50	Three-dimensional porous graphene/polyaniline composites for high-rate electrochemical capacitors. Journal of Materials Chemistry A, 2014, 2, 17489-17494.	5.2	138
51	Pristine Titanium Carbide MXene Films with Environmentally Stable Conductivity and Superior Mechanical Strength. Advanced Functional Materials, 2020, 30, 1906996.	7.8	138
52	Thermochemical Catalytic Liquefaction of the Marine MicroalgaeDunaliella tertiolectaand Characterization of Bio-oils. Energy & Fuels, 2009, 23, 3753-3758.	2.5	137
53	Performance enhancement of a grapheneâ€“sulfur composite as a lithiumâ€“sulfur battery electrode by coating with an ultrathin Al2O3 film via atomic layer deposition. Journal of Materials Chemistry A, 2014, 2, 7360.	5.2	135
54	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. Advanced Materials, 2020, 32, e1905875.	11.1	123

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55	Bifunctional Graphene/Î³â€Fe₂O₃ Hybrid Aerogels with Double Nanocrystalline Networks for Enzyme Immobilization. Small, 2013, 9, 2331-2340.	5.2	121
56	Thermochemical conversion of low-lipid microalgae for the production of liquid fuels: challenges and opportunities. RSC Advances, 2015, 5, 18673-18701.	1.7	120
57	Robust graphene composite films for multifunctional electrochemical capacitors with an ultrawide range of areal mass loading toward high-rate frequency response and ultrahigh specific capacitance. Energy and Environmental Science, 2018, 11, 559-565.	15.6	119
58	Solution-Processed PEDOT:PSS/Graphene Composites as the Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2014, 6, 3587-3593.	4.0	115
59	Synthesis and Characterization of 3D Dendritic Gold Nanostructures and Their Use as Substrates for Surface-Enhanced Raman Scattering. Chemistry of Materials, 2007, 19, 3433-3440.	3.2	110
60	A graphene wrapped hair-derived carbon/sulfur composite for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 9609-9615.	5.2	109
61	Boosting 11-oxo-Î²-amyrin and glycyrrhetinic acid synthesis in Saccharomyces cerevisiae via pairing novel oxidation and reduction system from legume plants. Metabolic Engineering, 2018, 45, 43-50.	3.6	109
62	Topological Design of Ultrastrong and Highly Conductive Graphene Films. Advanced Materials, 2017, 29, 1702831.	11.1	108
63	Dual-protection of a graphene-sulfur composite by a compact graphene skin and an atomic layer deposited oxide coating for a lithium-sulfur battery. Nanoscale, 2015, 7, 5292-5298.	2.8	102
64	Colorimetric and fluorescent dual probe based on a polythiophene derivative for the detection of cysteine and homocysteine. Chemical Communications, 2011, 47, 7431.	2.2	99
65	Composite nanofibers of conducting polymers and hydrophobic insulating polymers: Preparation and sensing applications. Polymer, 2009, 50, 3292-3301.	1.8	88
66	Aryl-modified graphene quantum dots with enhanced photoluminescence and improved pH tolerance. Nanoscale, 2013, 5, 7361.	2.8	87
67	Pristine Titanium Carbide MXene Hydrogel Matrix. ACS Nano, 2020, 14, 10471-10479.	7.3	87
68	A high-performance current collector-free flexible in-plane micro-supercapacitor based on a highly conductive reduced graphene oxide film. Journal of Materials Chemistry A, 2016, 4, 16213-16218.	5.2	86
69	Conjugated polyelectrolyte as a colorimetric and fluorescent probe for the detection of glutathione. Chemical Communications, 2009, , 5886.	2.2	85
70	Highly conductive and flexible mesoporous graphitic films prepared by graphitizing the composites of graphene oxide and nanodiamond. Journal of Materials Chemistry, 2011, 21, 7154.	6.7	85
71	Transparent Polymeric Strain Sensors for Monitoring Vital Signs and Beyond. ACS Applied Materials & Interfaces, 2018, 10, 3895-3901.	4.0	85
72	Solution-processable graphene nanomeshes with controlled pore structures. Scientific Reports, 2013, 3, 1996.	1.6	83

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73	Maximization of Spatial Charge Density: An Approach to Ultrahigh Energy Density of Capacitive Charge Storage. Angewandte Chemie - International Edition, 2020, 59, 14541-14549.	7.2	83
74	Colorimetric Assays for Acetylcholinesterase Activity and Inhibitor Screening Based on the Disassemblyâ˜Assembly of a Water-Soluble Polythiophene Derivative. ACS Applied Materials & Interfaces, 2011, 3, 1306-1310.	4.0	81
75	Polythiophene-Based Optical Sensors for Small Molecules. ACS Applied Materials & Interfaces, 2013, 5, 4503-4510.	4.0	81
76	High-performance and flexible electrochemical capacitors based on graphene/polymer composite films. Journal of Materials Chemistry A, 2014, 2, 968-974.	5.2	79
77	Polypyrrole micro- and nanowires synthesized by electrochemical polymerization of pyrrole in the aqueous solutions of pyrenesulfonic acid. Polymer, 2006, 47, 1778-1784.	1.8	78
78	Synthesis of graphene oxide sheets with controlled sizes from sieved graphite flakes. Carbon, 2016, 110, 34-40.	5.4	77
79	A simple approach for the discrimination of nucleotides based on a water-soluble polythiophene derivative. Chemical Communications, 2009, , 4696.	2.2	74
80	Graphene oxide induced hydrothermal carbonization of egg proteins for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 17040-17047.	5.2	74
81	Electrosynthesis of polypyrrole/sulfonated polyaniline composite films and their applications for ammonia gas sensing. Polymer, 2007, 48, 4015-4020.	1.8	73
82	Enhanced stability and separation efficiency of graphene oxide membranes in organic solvent nanofiltration. Journal of Materials Chemistry A, 2018, 6, 19563-19569.	5.2	72
83	Carbon nanotube-based fluorescence sensors. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 19, 20-34.	5.6	71
84	Controlled one-step fabrication of highly oriented ZnO nanoneedle/nanorods arrays at near room temperature. Chemical Communications, 2006, , 1655.	2.2	69
85	Rapid nitroaromatic compounds sensing based on oligopyrene. Sensors and Actuators B: Chemical, 2008, 130, 777-782.	4.0	66
86	Preparation of Highly Conductive Goldâ˜Poly(3,4-ethylenedioxythiophene) Nanocables and Their Conversion to Poly(3,4-ethylenedioxythiophene) Nanotubes. Journal of Physical Chemistry C, 2007, 111, 5926-5931.	1.5	65
87	A small graphene oxide sheet/polyvinylidene fluoride bilayer actuator with large and rapid responses to multiple stimuli. Nanoscale, 2017, 9, 17465-17470.	2.8	65
88	Arbitrary waveform AC line filtering applicable to hundreds of volts based on aqueous electrochemical capacitors. Nature Communications, 2019, 10, 2855.	5.8	65
89	Grapheneâ€Based Organic Electrochemical Capacitors for AC Line Filtering. Advanced Energy Materials, 2017, 7, 1700591.	10.2	64
90	Antimony-Doped Tin Oxide Nanorods as a Transparent Conducting Electrode for Enhancing Photoelectrochemical Oxidation of Water by Hematite. ACS Applied Materials & Interfaces, 2014, 6, 5494-5499.	4.0	63

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91	Production of plant natural products through engineered Yarrowia lipolytica. Biotechnology Advances, 2020, 43, 107555.	6.0	62
92	Synthesis and electrochemical applications of the composites of conducting polymers and chemically converted graphene. Electrochimica Acta, 2011, 56, 10737-10743.	2.6	60
93	Composite organogels of graphene and activated carbon for electrochemical capacitors. Journal of Materials Chemistry A, 2013, 1, 9196.	5.2	60
94	Enhancing oleanolic acid production in engineered Saccharomyces cerevisiae. Bioresource Technology, 2018, 257, 339-343.	4.8	60
95	Electrosynthesis of graphene oxide/polypyrene composite films and their applications for sensing organic vapors. Journal of Materials Chemistry, 2012, 22, 8438.	6.7	59
96	Refactoring Î²â€amyrin synthesis in <scp>S</scp>accharomyces cerevisiae. AICHE Journal, 2015, 61, 3172-3179.	1.8	59
97	Gene repression via multiplex gRNA strategy in Y. lipolytica. Microbial Cell Factories, 2018, 17, 62.	1.9	57
98	Stress-driven dynamic regulation of multiple tolerance genes improves robustness and productive capacity of Saccharomyces cerevisiae in industrial lignocellulose fermentation. Metabolic Engineering, 2020, 61, 160-170.	3.6	57
99	Optically Active Supramolecular Complex Formed by Ionic Self-Assembly of Cationic Perylenediimide Derivative and Adenosine Triphosphate. Langmuir, 2008, 24, 43-48.	1.6	55
100	A water-soluble cationic oligopyrene derivative: Spectroscopic studies and sensing applications. Sensors and Actuators B: Chemical, 2009, 138, 563-571.	4.0	55
101	Tailoring the oxygenated groups of graphene hydrogels for high-performance supercapacitors with large areal mass loadings. Journal of Materials Chemistry A, 2018, 6, 6587-6594.	5.2	54
102	Biosynthesis of Plant Triterpenoid Saponins in Microbial Cell Factories. Journal of Agricultural and Food Chemistry, 2018, 66, 12155-12165.	2.4	54
103	2D perovskite microsheets for high-performance photodetectors. Journal of Materials Chemistry C, 2019, 7, 5353-5358.	2.7	54
104	Characterization of Raoultella planticola Rs-2 microcapsule prepared with a blend of alginate and starch and its release behavior. Carbohydrate Polymers, 2014, 110, 259-267.	5.1	53
105	Trace Level Coâ€“N Doped Graphite Foams as High-Performance Self-Standing Electrocatalytic Electrodes for Hydrogen and Oxygen Evolution. ACS Catalysis, 2018, 8, 4637-4644.	5.5	53
106	Highly Ordered Graphene Solid: An Efficient Platform for Capacitive Sodium-Ion Storage with Ultrahigh Volumetric Capacity and Superior Rate Capability. ACS Nano, 2019, 13, 9161-9170.	7.3	53
107	Controlling Chemo- and Regioselectivity of a Plant P450 in Yeast Cell toward Rare Licorice Triterpenoid Biosynthesis. ACS Catalysis, 2020, 10, 4253-4260.	5.5	53
108	Optically Active Supramolecular Complexes of Water-Soluble Achiral Polythiophenes and Folic Acid: Spectroscopic Studies and Sensing Applications. Langmuir, 2008, 24, 12829-12835.	1.6	51

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109	Efficient room-temperature production of high-quality graphene by introducing removable oxygen functional groups to the precursor. Chemical Science, 2019, 10, 1244-1253.	3.7	51
110	Room-temperature fabrication of highly oriented ZnO nanoneedle arrays by anodization of zinc foil. Nanotechnology, 2006, 17, 4936-4940.	1.3	50
111	Biocontrol of Rhizoctonia solani via Induction of the Defense Mechanism and Antimicrobial Compounds Produced by Bacillus subtilis SL-44 on Pepper (Capsicum annuum L.). Frontiers in Microbiology, 2019, 10, 2676.	1.5	50
112	Graphene oxide in aqueous and nonaqueous media: Dispersion behaviour and solution chemistry. Carbon, 2020, 158, 568-579.	5.4	50
113	Advances in mechanisms and modifications for rendering yeast thermotolerance. Journal of Bioscience and Bioengineering, 2016, 121, 599-606.	1.1	49
114	Direct and efficient xylitol production from xylan by Saccharomyces cerevisiae through transcriptional level and fermentation processing optimizations. Bioresource Technology, 2013, 149, 413-419.	4.8	48
115	A General Route to Robust Nacre-Like Graphene Oxide Films. ACS Applied Materials & Interfaces, 2015, 7, 15010-15016.	4.0	48
116	Perspective on Biotransformation and De Novo Biosynthesis of Licorice Constituents. Journal of Agricultural and Food Chemistry, 2017, 65, 11147-11156.	2.4	48
117	Engineering Saccharomyces cerevisiae for high yield production of Î±-amyrin via synergistic remodeling of Î±-amyrin synthase and expanding the storage pool. Metabolic Engineering, 2020, 62, 72-83.	3.6	48
118	Graphene membranes with tuneable nanochannels by intercalating self-assembled porphyrin molecules for organic solvent nanofiltration. Carbon, 2017, 124, 263-270.	5.4	46
119	Fibrous strain sensor with ultra-sensitivity, wide sensing range, and large linearity for full-range detection of human motion. Nanoscale, 2018, 10, 17512-17519.	2.8	46
120	Chemically modified graphene films with tunable negative Poissonâ€™s ratios. Nature Communications, 2019, 10, 2446.	5.8	46
121	Screening strains for directed biosynthesis of Î²-d-mono-glucuronide-glycyrrhizin and kinetics of enzyme production. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 63-67.	1.8	44
122	Recent advances in the biosynthesis strategies of nitrogen heterocyclic natural products. Natural Product Reports, 2022, 39, 139-162.	5.2	43
123	Suppressing the Selfâ€Discharge of Supercapacitors by Modifying Separators with an Ionic Polyelectrolyte. Advanced Materials Interfaces, 2018, 5, 1701547.	1.9	42
124	Synthesis of CaCO3/graphene composite crystals for ultra-strong structural materials. RSC Advances, 2012, 2, 2154.	1.7	40
125	Productive Amyrin Synthases for Efficient Î±-Amyrin Synthesis in Engineered Saccharomyces cerevisiae. ACS Synthetic Biology, 2018, 7, 2391-2402.	1.9	40
126	Analyte-induced aggregation of conjugated polyelectrolytes: role of the charged moieties and its sensing application. Chemical Communications, 2010, 46, 5094.	2.2	39

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127	Novel trends for producing plant triterpenoids in yeast. Critical Reviews in Biotechnology, 2019, 39, 618-632.	5.1	39
128	Toward the lowest energy consumption and emission in biofuel production: combination of ideal reactors and robust hosts. Current Opinion in Biotechnology, 2018, 50, 19-24.	3.3	38
129	Hostâ€“Guest Intercalation Chemistry in MXenes and Its Implications for Practical Applications. ACS Nano, 2021, 15, 15502-15537.	7.3	38
130	N-glycosylation enhances functional and structural stability of recombinant Î²-glucuronidase expressed in Pichia pastoris. Journal of Biotechnology, 2013, 164, 75-81.	1.9	37
131	Porphyrin-based graphene oxide frameworks with ultra-large d-spacings for the electrocatalyzation of oxygen reduction reaction. Physical Chemistry Chemical Physics, 2015, 17, 19538-19545.	1.3	37
132	Aligned three-dimensional microstructures of conducting polymer composites. Polymer, 2007, 48, 5259-5267.	1.8	36
133	Polypyrrole actuators with inverse opal structures. Journal of Materials Chemistry, 2009, 19, 1653.	6.7	36
134	Enhanced Î²-Amyrin Synthesis in Saccharomyces cerevisiae by Coupling An Optimal Acetyl-CoA Supply Pathway. Journal of Agricultural and Food Chemistry, 2019, 67, 3723-3732.	2.4	36
135	Transporter Engineering for Microbial Manufacturing. Biotechnology Journal, 2020, 15, e1900494.	1.8	35
136	Electrochemical Fabrication of a Memory Device Based on Conducting Polymer Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 18392-18396.	1.5	34
137	Enhanced pathway efficiency of Saccharomyces cerevisiae by introducing thermo-tolerant devices. Bioresource Technology, 2014, 170, 38-44.	4.8	34
138	High efficient production of plant flavonoids by microbial cell factories: Challenges and opportunities. Metabolic Engineering, 2022, 70, 143-154.	3.6	34
139	Simultaneously down-regulation of multiplex branch pathways using CRISPRi and fermentation optimization for enhancing Î²-amyrin production in Saccharomyces cerevisiae. Synthetic and Systems Biotechnology, 2019, 4, 79-85.	1.8	33
140	Layer-by-Layer Deposited Multilayer Films of Oligo(pyrenebutyric acid) and a Perylene Diimide Derivative:â€‰ Structure and Photovoltaic Properties. Langmuir, 2008, 24, 4380-4387.	1.6	32
141	Disassembly of conjugated polyelectrolyte aggregates and their application for colorimetric detection of surfactants in water. Chemical Communications, 2010, 46, 8639.	2.2	32
142	A high-performance platinum electrocatalyst loaded on a graphene hydrogel for high-rate methanol oxidation. Physical Chemistry Chemical Physics, 2014, 16, 10142.	1.3	32
143	Multilevel Defense System (MDS) Relieves Multiple Stresses for Economically Boosting Ethanol Production of Industrial Saccharomyces cerevisiae. ACS Energy Letters, 2020, 5, 572-582.	8.8	31
144	N-linked glycosylation influences on the catalytic and biochemical properties of Penicillium purpurogenum Î²-d-glucuronidase. Journal of Biotechnology, 2012, 157, 399-404.	1.9	30

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145	Efficient production of glycyrrhetic acid 3-O-mono-Î²-d-glucuronide by whole-cell biocatalysis in an ionic liquid/buffer biphasic system. Process Biochemistry, 2012, 47, 908-913.	1.8	30
146	Improving the thermo-tolerance of yeast base on the antioxidant defense system. Chemical Engineering Science, 2018, 175, 335-342.	1.9	30
147	A Largeâ€Scale Grapheneâ€“Bimetal Film Electrode with an Ultrahigh Mass Catalytic Activity for Durable Water Splitting. Advanced Energy Materials, 2018, 8, 1800403.	10.2	29
148	Pathway engineering in yeast for synthesizing the complex polyketide bikaverin. Nature Communications, 2020, 11, 6197.	5.8	29
149	Intelligent Microbial Heat-Regulating Engine (IMHeRE) for Improved Thermo-Robustness and Efficiency of Bioconversion. ACS Synthetic Biology, 2016, 5, 312-320.	1.9	28
150	Utilization of rare codon-rich markers for screening amino acid overproducers. Nature Communications, 2018, 9, 3616.	5.8	28
151	Supramolecular quantum dots as biodegradable nano-probes for upconversion-enabled bioimaging. Chemical Communications, 2015, 51, 13201-13204.	2.2	27
152	Simulated Microgravity Affects Growth of Escherichia coli and Recombinant Î²-d-Glucuronidase Production. Applied Biochemistry and Biotechnology, 2010, 162, 654-661.	1.4	26
153	Synthesis and characterization of slowâ€release nitrogen fertilizer with water absorbency: Based on poly(acrylic acidâ€acrylic amide)/Naâ€bentonite. Journal of Applied Polymer Science, 2012, 126, 1687-1697.	1.3	26
154	Disassembly-driven colorimetric and fluorescent sensor for anionic surfactants in water based on a conjugated polyelectrolyte/dye complex. Soft Matter, 2011, 7, 6873.	1.2	25
155	Structure-guided engineering of the substrate specificity of a fungal Î²-glucuronidase toward triterpenoid saponins. Journal of Biological Chemistry, 2018, 293, 433-443.	1.6	25
156	Overproduction of squalene synergistically downregulates ethanol production in Saccharomyces cerevisiae. Chemical Engineering Science, 2016, 152, 370-380.	1.9	24
157	Biosynthesis of Glycyrrhetinic Acid-3-O-monoglucose Using Glycosyltransferase UGT73C11 from Barbarea vulgaris. Industrial & Engineering Chemistry Research, 2017, 56, 14949-14958.	1.8	24
158	Construction of ajmalicine and sanguinarine de novo biosynthetic pathways using stable integration sites in yeast. Biotechnology and Bioengineering, 2022, 119, 1314-1326.	1.7	24
159	Electrosynthesis of free-standing poly(para-phenylene) films in mixed electrolytes of boron trifluoride diethyl etherate and trifluoroacetic acid on stainless steel electrode. Journal of Applied Polymer Science, 2002, 83, 2462-2466.	1.3	23
160	Tuning the pH profile of Î²-glucuronidase by rational site-directed mutagenesis for efficient transformation of glycyrrhizin. Applied Microbiology and Biotechnology, 2019, 103, 4813-4823.	1.7	22
161	Purification and characterization of a highly selective glycyrrhizin-hydrolyzing Î²-glucuronidase from Penicillium purpurogenum Li-3. Process Biochemistry, 2013, 48, 358-363.	1.8	21
162	Enhancing the Thermostability of Î²-Glucuronidase by Rationally Redesigning the Catalytic Domain Based on Sequence Alignment Strategy. Industrial & Engineering Chemistry Research, 2016, 55, 5474-5483.	1.8	21

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163	Engineering the thermostability of Î²-glucuronidase from Penicillium purpurogenum Li-3 by loop transplant. Applied Microbiology and Biotechnology, 2016, 100, 9955-9966.	1.7	21
164	RhizosphericBacillus subtilisExhibits Biocontrol Effect againstRhizoctonia solaniin Pepper(Capsicum annuum). BioMed Research International, 2017, 2017, 1-9.	0.9	21
165	Endogenous lycopene improves ethanol production under acetic acid stress in Saccharomyces cerevisiae. Biotechnology for Biofuels, 2018, 11, 107.	6.2	21
166	A Novel Î²-Glucuronidase from Talaromyces pinophilus Li-93 Precisely Hydrolyzes Glycyrrhizin into Glycyrrhetinic Acid 3- O -Mono-Î²- <scp>d</scp> -Glucuronide. Applied and Environmental Microbiology, 2018, 84, .	1.4	21
167	Mining of UDPâ€glucosyltrfansferases in licorice for controllable glycosylation of pentacyclic triterpenoids. Biotechnology and Bioengineering, 2020, 117, 3651-3663.	1.7	21
168	Metabolic engineering of Yarrowia lipolytica for liquiritigenin production. Chemical Engineering Science, 2021, 230, 116177.	1.9	21
169	Production of Liquid Fuel via Coliquefaction of Coal and Dunaliella tertiolecta in a Sub-/Supercritical Waterâ€“Ethanol System. Energy & Fuels, 2013, 27, 2619-2627.	2.5	20
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