

Kun-Lin Yang

List of Publications by Year in descending order

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139
papers

5,017
citations

93792

39
h-index

124990

64
g-index

140
all docs

140
docs citations

140
times ranked

5389
citing authors

#	ARTICLE	IF	CITATIONS
1	Online-learning-aided optimization and interpretation of sugar production from oil palm mesocarp fibers with analytics for industrial applications. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106206.	5.3	8
2	Using Co-Culture to Functionalize Clostridium Fermentation. <i>Trends in Biotechnology</i> , 2021, 39, 914-926.	4.9	31
3	Catalytic Oxidation of Trypan Blue Using Copper Complexes and Hydrogen Peroxide Shows a Negative Reaction Order. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1576-1582.	1.8	4
4	Liquid Crystal Based Binding Assay for Detecting HIV-1 Surface Glycoprotein. <i>Frontiers in Chemistry</i> , 2021, 9, 668870.	1.8	9
5	Aptamer Laden Liquid Crystals Biosensing Platform for the Detection of HIV-1 Glycoprotein-120. <i>Molecules</i> , 2021, 26, 2893.	1.7	10
6	Multifunctional sensors based on liquid crystals scaffolded in nematic polymer networks. <i>RSC Advances</i> , 2021, 11, 38694-38702.	1.7	6
7	Copper-tripeptide complexes for rapid inactivation of <i>Bacillus subtilis</i> endospores. <i>Biotechnology Notes</i> , 2020, 1, 16-19.	0.7	1
8	Production of isopropyl and butyl esters by <i>Clostridium</i> mono-culture and co-culture. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 543-550.	1.4	15
9	Copper-tripeptides (cuzymes) with peroxidase-mimetic activity. <i>RSC Advances</i> , 2020, 10, 17408-17415.	1.7	5
10	Aerobic acetone-butanol-isopropanol (ABI) fermentation through a co-culture of <i>Clostridium beijerinckii</i> G117 and recombinant <i>Bacillus subtilis</i> 1A1. <i>Metabolic Engineering Communications</i> , 2020, 11, e00137.	1.9	14
11	In situ formation and immobilization of gold nanoparticles on polydimethylsiloxane (PDMS) exhibiting catalase-mimetic activity. <i>Chemical Communications</i> , 2020, 56, 6416-6419.	2.2	10
12	Monitoring the two-dimensional concentration profile of toluene vapors by using polymer-stabilized nematic liquid crystals in microchannels. <i>Lab on A Chip</i> , 2020, 20, 1687-1693.	3.1	13
13	A Millifluidic Device with Embedded Cross-Linked Enzyme Aggregates for Degradation of H_2O_2 . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6768-6775.	4.0	7
14	A microfluidic sensor for detecting chlorophenols using cross-linked enzyme aggregates (CLEAs). <i>Lab on A Chip</i> , 2019, 19, 634-640.	3.1	6
15	Liquid crystal-enabled protease inhibition assays developed in a millifluidic device. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126595.	4.0	11
16	Flow-driven disclination lines of nematic liquid crystals inside a rectangular microchannel. <i>Soft Matter</i> , 2019, 15, 5638-5643.	1.2	13
17	Continuous protease assays using liquid crystal as a reporter. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 8-14.	4.0	14
18	Unique genetic cassettes in a <i>Thermoanaerobacterium</i> contribute to simultaneous conversion of cellulose and monosugars into butanol. <i>Science Advances</i> , 2018, 4, e1701475.	4.7	41

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19	Immobilization of Enzymes on Flexible Tubing Surfaces for Continuous Bioassays. <i>Langmuir</i> , 2018, 34, 14226-14233.	1.6	9
20	Combined cross-linked enzyme aggregates of horseradish peroxidase and glucose oxidase for catalyzing cascade chemical reactions. <i>Enzyme and Microbial Technology</i> , 2017, 100, 52-59.	1.6	80
21	Recent developments in protease activity assays and sensors. <i>Analyst</i> , 2017, 142, 1867-1881.	1.7	94
22	Loss of the <i>ssrA</i> genome island led to partial debromination in the PBDE respiring <i>Dehalococcoides mccartyi</i> strain GY50. <i>Environmental Microbiology</i> , 2017, 19, 2906-2915.	1.8	27
23	Production of prebiotic-xylooligosaccharides from alkali pretreated mahogany and mango wood sawdust by using purified xylanase of <i>Clostridium</i> strain BOH3. <i>Carbohydrate Polymers</i> , 2017, 167, 158-166.	5.1	44
24	Triphasic esterification of butanol and butyric acid in fermentation media. <i>Process Biochemistry</i> , 2017, 53, 194-200.	1.8	1
25	Hollow cross-linked enzyme aggregates (h-CLEA) of laccase with high uniformity and activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 88-94.	2.5	28
26	Oligopeptides for Cancer and Other Biomedical Sensing Applications. , 2017, , 279-304.		0
27	Quantitative proteome profiles help reveal efficient xylose utilization mechanisms in solventogenic <i>Clostridium</i> sp. strain BOH3. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1959-1969.	1.7	5
28	Liquid Crystals in Microfluidic Devices for Sensing Applications. <i>Liquid Crystals Book Series</i> , 2017, , 145-158.	0.0	0
29	Liquid Crystals in Microfluidic Devices for Sensing Applications. , 2017, , 145-158.		0
30	Production of xylooligosaccharides from hardwood xylan by using immobilized endoxylanase of <i>Clostridium</i> strain BOH3. <i>RSC Advances</i> , 2016, 6, 81818-81825.	1.7	12
31	In situ formation of leak-free polyethylene glycol (PEG) membranes in microfluidic fuel cells. <i>Lab on A Chip</i> , 2016, 16, 4725-4731.	3.1	7
32	Entrapment of cross-linked cellulase colloids in alginate beads for hydrolysis of cellulose. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 862-869.	2.5	30
33	Surfactant-Driven Assembly of Poly(ethylenimine)-Coated Microparticles at the Liquid Crystal/Water Interface. <i>Journal of Physical Chemistry B</i> , 2016, 120, 825-833.	1.2	7
34	Strategies for production of butanol and butyl-butyrates through lipase-catalyzed esterification. <i>Bioresource Technology</i> , 2016, 202, 214-219.	4.8	37
35	Polyethylene glycol (PEG) gel arrays for differentiating oligopeptide fragments and on-chip protease assays. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1126-1133.	5.3	8
36	Identification of peptide inhibitors of penicillinase using a phage display library. <i>Analytical Biochemistry</i> , 2016, 494, 4-9.	1.1	6

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37	Lipase in biphasic alginate beads as a biocatalyst for esterification of butyric acid and butanol in aqueous media. <i>Enzyme and Microbial Technology</i> , 2016, 82, 173-179.	1.6	11
38	One-pot fermentation of agricultural residues to produce butanol and hydrogen by <i>Clostridium</i> strain BOH3. <i>Renewable Energy</i> , 2016, 85, 1127-1134.	4.3	42
39	Production of 2,3-Butanediol from Sucrose by a <i>Klebsiella</i> Species. <i>Bioenergy Research</i> , 2016, 9, 15-22.	2.2	17
40	Purification and Characterization of a GH11 Xylanase from Biobutanol-Producing <i>Clostridium beijerinckii</i> G117. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 2832-2844.	1.4	6
41	Continuous hydrolysis of carboxymethyl cellulose with cellulase aggregates trapped inside membranes. <i>Enzyme and Microbial Technology</i> , 2015, 78, 34-39.	1.6	30
42	Applications of metal ions and liquid crystals for multiplex detection of DNA. <i>Journal of Colloid and Interface Science</i> , 2015, 439, 149-153.	5.0	21
43	Microfluidic immunoassay with plug-in liquid crystal for optical detection of antibody. <i>Analytica Chimica Acta</i> , 2015, 853, 696-701.	2.6	27
44	Quantitative serine protease assays based on formation of copper(II)-oligopeptide complexes. <i>Analyst</i> , 2015, 140, 340-345.	1.7	17
45	Enzymatic Deposition of Silver Particles for Detecting Protease Activity. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1300-1306.	1.2	5
46	Colorimetric protease assay by using gold nanoparticles and oligopeptides. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 234-239.	4.0	40
47	Production, Purification, and Characterization of α -Amylase from Solventogenic <i>Clostridium</i> sp. BOH3. <i>Bioenergy Research</i> , 2014, 7, 132-141.	2.2	10
48	Direct fermentation of xylan by <i>Clostridium</i> strain BOH3 for the production of butanol and hydrogen using optimized culture medium. <i>Bioresource Technology</i> , 2014, 154, 38-43.	4.8	37
49	Isolation and characterization of a novel <i>Dehalobacter</i> species strain TCP1 that reductively dechlorinates 2,4,6-trichlorophenol. <i>Biodegradation</i> , 2014, 25, 313-323.	1.5	35
50	Oligopeptide immobilization strategy for improving stability and sensitivity of liquid-crystal protease assays. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 734-740.	4.0	12
51	Mechanistic study for immobilization of cysteine-labeled oligopeptides on UV-activated surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 166-174.	2.5	10
52	Genomic characterization of three unique <i>Dehalococcoides</i> that respire on persistent polychlorinated biphenyls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12103-12108.	3.3	168
53	DNA microarrays on ultraviolet-modified surfaces for speciation of bacteria. <i>Analytical Biochemistry</i> , 2014, 447, 156-161.	1.1	3
54	Uniform cross-linked cellulase aggregates prepared in microfluidic reactors. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 146-151.	5.0	24

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55	Electrical Double-Layer Formation. , 2014, , 1246-1259.		1
56	A Highly Efficient NADH-dependent Butanol Dehydrogenase from High-butanol-producing Clostridium sp. BOH3. Bioenergy Research, 2013, 6, 240-251.	2.2	23
57	A liquid crystal biosensor for detecting organophosphates through the localized pH changes induced by their hydrolytic products. Sensors and Actuators B: Chemical, 2013, 181, 368-374.	4.0	59
58	Antibody-free Detection of Human Chorionic Gonadotropin by Use of Liquid Crystals. Analytical Chemistry, 2013, 85, 10710-10716.	3.2	60
59	Hybrid cellulase aggregate with a silica core for hydrolysis of cellulose and biomass. Journal of Colloid and Interface Science, 2013, 411, 76-81.	5.0	18
60	Characterization of a butanol- and acetone-producing Clostridium strain and identification of its solventogenic genes. Bioresource Technology, 2013, 135, 372-378.	4.8	38
61	Production, Purification, and Characterization of a Xylooligosaccharides-forming Xylanase from High-butanol-producing Strain Clostridium sp. BOH3. Bioenergy Research, 2013, 6, 448-457.	2.2	21
62	Development of an Oligopeptide Functionalized Surface Plasmon Resonance Biosensor for Online Detection of Glyphosate. Analytical Chemistry, 2013, 85, 5727-5733.	3.2	48
63	Planar Optical Waveguide Platform for Gas Sensing Using Liquid Crystal. IEEE Sensors Journal, 2013, 13, 2521-2522.	2.4	14
64	Graphene/liquid crystal based terahertz phase shifters. Optics Express, 2013, 21, 21395.	1.7	84
65	Amplification of interference color by using liquid crystal for protein detection. Applied Physics Letters, 2013, 103, .	1.5	4
66	Draft Genome Sequence of Butanol-Acetone-Producing Clostridium beijerinckii Strain G117. Journal of Bacteriology, 2012, 194, 5470-5471.	1.0	19
67	Detecting Proteins in Microfluidic Channels Decorated with Liquid Crystal Sensing Dots. Langmuir, 2012, 28, 17571-17577.	1.6	52
68	Inkjet Printing and Release of Monodisperse Liquid Crystal Droplets from Solid Surfaces. Langmuir, 2012, 28, 14540-14546.	1.6	35
69	Liquid crystal based optical sensor for detection of vaporous butylamine in air. Sensors and Actuators B: Chemical, 2012, 173, 607-613.	4.0	68
70	Liquid crystal-based immunoassays for detecting hepatitis B antibody. Analytical Biochemistry, 2012, 421, 321-323.	1.1	37
71	Functional protease assay using liquid crystals as a signal reporter. Biosensors and Bioelectronics, 2012, 35, 174-179.	5.3	13
72	Oligopeptides functionalized surface plasmon resonance biosensors for detecting thiacloprid and imidacloprid. Biosensors and Bioelectronics, 2012, 35, 271-276.	5.3	30

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73	Detecting DNA targets through the formation of DNA/CTAB complex and its interactions with liquid crystals. <i>Analyst, The</i> , 2011, 136, 3329.	1.7	25
74	Using liquid crystals as a readout system in urinary albumin assays. <i>Analyst, The</i> , 2011, 136, 3307.	1.7	57
75	Fishing DNA targets in DNA solutions by using affinity microcontact printing. <i>Analyst, The</i> , 2011, 136, 733-739.	1.7	5
76	Enhancing the Fluorescence Intensity of DNA Microarrays by Using Cationic Surfactants. <i>Langmuir</i> , 2011, 27, 5659-5664.	1.6	17
77	Complete Debromination of Tetra- and Penta-Brominated Diphenyl Ethers by a Coculture Consisting of <i>Dehalococcoides</i> and <i>Desulfovibrio</i> Species. <i>Environmental Science & Technology</i> , 2011, 45, 8475-8482.	4.6	70
78	Cholesteric Liquid Crystals Doped with Dodecylamine for Detecting Aldehyde Vapors. <i>Analytical Chemistry</i> , 2011, 83, 5253-5258.	3.2	41
79	Liquid Crystal Droplets as a Hosting and Sensing Platform for Developing Immunoassays. <i>Langmuir</i> , 2011, 27, 11784-11789.	1.6	76
80	Simplest Method for Creating Micropatterned Nanostructures on PDMS with UV Light. <i>Langmuir</i> , 2011, 27, 13410-13414.	1.6	16
81	Detection of DNA Targets Hybridized to Solid Surfaces Using Optical Images of Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3389-3395.	4.0	33
82	Minimizing Nonspecific Protein Adsorption in Liquid Crystal Immunoassays by Using Surfactants. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3496-3500.	4.0	27
83	Monitoring spatial distribution of ethanol in microfluidic channels by using a thin layer of cholesteric liquid crystal. <i>Lab on A Chip</i> , 2011, 11, 4093.	3.1	12
84	Improving Protein Transfer Efficiency and Selectivity in Affinity Contact Printing by Using UV-Modified Surfaces. <i>Langmuir</i> , 2011, 27, 5427-5432.	1.6	15
85	A method of printing uniform protein lines by using flat PDMS stamps. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 143-148.	5.0	8
86	The effect of cholesterol on protein-coated gold nanoparticle binding to liquid crystal-supported models of cell membranes. <i>Biomaterials</i> , 2010, 31, 3008-3015.	5.7	28
87	One-step UV lithography for activation of inert hydrocarbon monolayers and preparation of protein micropatterns. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 48-53.	5.0	19
88	Detecting hydrogen sulfide by using transparent polymer with embedded CdSe/CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 535-538.	4.0	35
89	Using copper perchlorate doped liquid crystals for the detection of organophosphonate vapor. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 420-426.	4.0	49
90	Liquid crystals decorated with linear oligopeptide FLAG for applications in immunobiosensors. <i>Biosensors and Bioelectronics</i> , 2010, 26, 107-111.	5.3	25

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91	UV-Defined Flat PDMS Stamps Suitable for Microcontact Printing. <i>Langmuir</i> , 2010, 26, 3739-3743.	1.6	23
92	Detection and Quantification of DNA Adsorbed on Solid Surfaces by Using Liquid Crystals. <i>Langmuir</i> , 2010, 26, 1427-1430.	1.6	55
93	Polymer stabilized cholesteric liquid crystal arrays for detecting vaporous amines. <i>Analyst, The</i> , 2010, 135, 1691.	1.7	52
94	Detecting and differentiating <i>Escherichia coli</i> strain TOP10 using optical textures of liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 1269-1274.	0.9	18
95	Self-assembly of cholesterol DNA at liquid crystal/aqueous interface and its application for DNA detection. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	39
96	Using liquid crystals as optical gas sensors to detect thiol vapors. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
97	Real-Time Liquid Crystal pH Sensor for Monitoring Enzymatic Activities of Penicillinase. <i>Advanced Functional Materials</i> , 2009, 19, 3760-3765.	7.8	137
98	Decorating Liquid Crystal Surfaces with Proteins for Real-Time Detection of Specific Protein-Protein Binding. <i>Advanced Functional Materials</i> , 2009, 19, 3574-3579.	7.8	91
99	Exploring Optical Properties of Liquid Crystals for Developing Label-Free and High-Throughput Microfluidic Immunoassays. <i>Advanced Materials</i> , 2009, 21, 198-202.	11.1	55
100	A liquid crystal-based sensor for real-time and label-free identification of phospholipase-like toxins and their inhibitors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2289-2293.	5.3	66
101	Oligopeptide-modified silicon nanowire arrays as multichannel metal ion sensors. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3248-3251.	5.3	40
102	Replication of DNA submicron patterns by combining nanoimprint lithography and contact printing. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 188-194.	5.0	24
103	Imaging the disruption of phospholipid monolayer by protein-coated nanoparticles using ordering transitions of liquid crystals. <i>Biomaterials</i> , 2009, 30, 843-849.	5.7	61
104	Liquid Crystal Multiplexed Protease Assays Reporting Enzymatic Activities as Optical Bar Charts. <i>Analytical Chemistry</i> , 2009, 81, 5503-5509.	3.2	52
105	Optical Imaging of Surface-Immobilized Oligonucleotide Probes on DNA Microarrays Using Liquid Crystals. <i>Langmuir</i> , 2009, 25, 311-316.	1.6	53
106	On-Line Monitoring Imidacloprid and Thiacloprid in Celery Juice Using Quartz Crystal Microbalance. <i>Analytical Chemistry</i> , 2009, 81, 527-532.	3.2	44
107	Bifunctional oligo(ethylene glycol) decorated surfaces which permit covalent protein immobilization and resist protein adsorption. <i>Biofouling</i> , 2009, 25, 435-444.	0.8	2
108	Principles of detecting vaporous thiols using liquid crystals and metal ion microarrays. <i>Analyst, The</i> , 2009, 134, 911.	1.7	23

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109	Colorimetric responses of transparent polymers doped with metal phthalocyanine for detecting vaporous amines. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 1000-1004.	4.0	26
110	An Airâ€Supported Liquid Crystal System for Realâ€Time and Labelâ€Free Characterization of Phospholipases and Their Inhibitors. <i>Advanced Functional Materials</i> , 2008, 18, 2938-2945.	7.8	74
111	Real-time liquid crystal-based glutaraldehyde sensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 432-437.	4.0	48
112	Tripeptide-modified silicon nanowire based field-effect transistors as real-time copper ion sensors. <i>Electrochemistry Communications</i> , 2008, 10, 1868-1871.	2.3	19
113	Development of electrochemical calcium sensors by using silicon nanowires modified with phosphotyrosine. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1442-1448.	5.3	36
114	Controlling and Manipulating Supported Phospholipid Monolayers as Soft Resist Layers for Fabricating Chemically Micropatterned Surfaces. <i>Langmuir</i> , 2008, 24, 11282-11286.	1.6	6
115	Dark-to-Bright Optical Responses of Liquid Crystals Supported on Solid Surfaces Decorated with Proteins. <i>Langmuir</i> , 2008, 24, 563-567.	1.6	82
116	A Method of Obtaining High Selectivity for Copper Ions on Triglycine Decorated Surfaces. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12887-12893.	1.5	4
117	A Principle of Detecting and Differentiating Dialdehydes from Monoaldehydes by using Surface Reactions and Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1748-1750.	1.5	12
118	Controlling Orientations of Immobilized Oligopeptides Using N-Terminal Cysteine Labels. <i>Langmuir</i> , 2008, 24, 5238-5240.	1.6	11
119	Chemical Modifications of Inert Organic Monolayers with Oxygen Plasma for Biosensor Applications. <i>Langmuir</i> , 2007, 23, 5831-5835.	1.6	23
120	Transferring Complementary Target DNA from Aqueous Solutions onto Solid Surfaces by Using Affinity Microcontact Printing. <i>Langmuir</i> , 2007, 23, 8607-8613.	1.6	12
121	Complexation of Copper Ions with Histidine-Containing Tripeptides Immobilized on Solid Surfaces. <i>Langmuir</i> , 2007, 23, 11067-11073.	1.6	27
122	Preparation of Ion-Imprinted Silica Gels Functionalized with Glycine, Diglycine, and Triglycine and Their Adsorption Properties for Copper Ions. <i>Langmuir</i> , 2007, 23, 8079-8086.	1.6	59
123	Immobilization of oligoglycines on aldehyde-decorated surfaces and its influence on the orientations of liquid crystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 573-580.	2.3	9
124	Liquid-crystal based optical sensors for simultaneous detection of multiple glycine oligomers with micromolar concentrations. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 406-413.	4.0	21
125	Use of self-assembled monolayers, metal ions and smectic liquid crystals to detect organophosphonates. <i>Sensors and Actuators B: Chemical</i> , 2005, 104, 50-56.	4.0	59
126	Deciphering the interactions between liquid crystals and chemically functionalized surfaces: Role of hydrogen bonding on orientations of liquid crystals. <i>Surface Science</i> , 2004, 570, 43-56.	0.8	40

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127	Mechanistic Study of the Anchoring Behavior of Liquid Crystals Supported on Metal Salts and Their Orientational Responses to Dimethyl Methylphosphonate. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20180-20186.	1.2	68
128	Contact Printing of Metal Ions onto Carboxylate-Terminated Self-Assembled Monolayers. <i>Advanced Materials</i> , 2003, 15, 1819-1823.	11.1	21
129	Electrosorption capacitance of nanostructured carbon aerogel obtained by cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2003, 540, 159-167.	1.9	119
130	Detoxification of vinyl chloride to ethene coupled to growth of an anaerobic bacterium. <i>Nature</i> , 2003, 424, 62-65.	13.7	461
131	Monte Carlo simulations of electrical double-layer formation in nanopores. <i>Journal of Chemical Physics</i> , 2002, 117, 8499-8507.	1.2	53
132	Canonical Monte Carlo simulations of the fluctuating-charge molecular water between charged surfaces. <i>Journal of Chemical Physics</i> , 2002, 117, 337-345.	1.2	30
133	Proton Adsorption and Electrical Double-Layer Formation Inside Charged Platinum Nanochannels. <i>Nano Letters</i> , 2002, 2, 1433-1437.	4.5	10
134	Electrosorption of Ions from Aqueous Solutions by Nanostructured Carbon Aerogel. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 18-27.	5.0	237
135	Electrosorption of Ions from Aqueous Solutions by Carbon Aerogel: An Electrical Double-Layer Model. <i>Langmuir</i> , 2001, 17, 1961-1969.	1.6	280
136	Effect of Convective Boundary Layer on the Current Efficiency of a Membrane Bearing Nonuniformly Distributed Fixed Charges. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8984-8989.	1.2	8
137	Transport of Ions through Cylindrical Ion-Selective Membranes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 12503-12508.	2.9	11
138	Thermo- and chemical-triggered overhand and reef knots based on liquid crystal gels. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	0
139	A catalytic alkaline hydrogen peroxide (cAHP) pretreatment method for corn stover and optimization. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	6