Tao Chen

List of Publications by Year
in descending order

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208	7,739	66250	75989
papers	citations	44 h-index	78 g-index

215	215	215	10462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	150ÂkHz, 300Âps green laser frequency doubled from a linearly polarized passively Q-switched Nd:YAG/Cr4+:YAG microchip oscillator and a Nd:YVO4 amplifier. Optics and Laser Technology, 2022, 147, 107708.	2.2	1
2	s-Tetrazine-Bridged Photochromic Aromatic Framework Material. ACS Omega, 2022, 7, 11276-11284.	1.6	2
3	Unveiling the Synergistic Effect of Ferroelectric Polarization and Domain Configuration for Reversible Zinc Metal Anodes. Advanced Science, 2022, 9, e2105980.	5.6	25
4	Long-Range Daytime 3D Imaging Lidar With Short Acquisition Time Based on 64Ã—64 Gm-APD Array. IEEE Photonics Journal, 2022, 14, 1-7.	1.0	6
5	Synergistic Cationâ€“Anion Regulation of Polysulfides by Zwitterionic Polymer Binder for Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2022, 32, .	7.8	27
6	A Shipborne Photon-Counting Lidar for Depth-Resolved Ocean Observation. Remote Sensing, 2022, 14, 3351.	1.8	14
7	Advances in the Extraction, Purification and Detection of the Natural Product 1-Deoxynojirimycin. Critical Reviews in Analytical Chemistry, 2021, 51, 246-257.	1.8	2
8	Flexible wavelength generation from a Yb-doped fiber laser incorporating multifunctional acousto-optic tunable filter. Optics Letters, 2021, 46, 1041.	1.7	11
9	Fiber-laser-pumped green laser for photon-counting bathymetric Lidar on UAV platform. , 2021, , .		4
10	Pillar[5]arene-Derived endo-Functionalized Molecular Tube for Mimicking Proteinâ€“Ligand Interactions. Journal of Organic Chemistry, 2021, 86, 6467-6477.	1.7	7
11	Electrical Conductivity of Multiwall Carbon Nanotube Bundles Contacting with Metal Electrodes by Nano Manipulators inside SEM. Nanomaterials, 2021, 11, 1290.	1.9	9
12	(INVITED)Switchable multi-wavelength mode-locked Yb-doped fiber laser using a polarization maintaining 45Â°-tilted fiber gratings based Lyot filter. Results in Optics, 2021, 3, 100071.	0.9	1
13	Temporal visualization of femtosecond laser pulses with single-edge transport in turbid media via Monte Carlo simulation. Optics Letters, 2021, 46, 2284.	1.7	3
14	Amplified frequency double-shifting loop enabled frequency-stepped pulse train for direct time domain CO2 measurement. Journal of the Optical Society of America B: Optical Physics, 2021, 38, D1.	0.9	4
15	Mechanistic Studies on Photocatalytic Overall Water Splitting over Ga₂O₃-Based Photocatalysts by Operando MS-FTIR Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 6029-6033.	2.1	19
16	A Magnetic-Coupled Nonlinear Electromagnetic Generator with Both Wideband and High-Power Performance. Micromachines, 2021, 12, 912.	1.4	3
17	Generation of 64-fs L-band stretched pulses from an all-fibre Er-doped laser. Optics Express, 2021, 29, 34892.	1.7	3
18	Evolution of noise-like pulses in mode-locked fiber laser based on straight graded-index multimode fiber structure. Optics and Laser Technology, 2021, 143, 107347.	2.2	6

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19	Femtosecond laser direct inscribed 45Â° tilted fiber grating for a net-normal-dispersion mode-locked Er-doped fiber laser. Optics and Laser Technology, 2021, 143, 107358.	2.2	4
20	Light detection and ranging (lidar): introduction. Journal of the Optical Society of America B: Optical Physics, 2021, 38, LID1.	0.9	0
21	Light detection and ranging (lidar): introduction. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, LID1.	0.8	4
22	A facile method for the synthesis of free-standing pillar[5]arene-based two-dimensional covalent organic monolayers in solution. Supramolecular Chemistry, 2020, 32, 126-132.	1.5	1
23	Flexible Ultrasonic Transducer Array with Bulk PZT for Adjuvant Treatment of Bone Injury. Sensors, 2020, 20, 86.	2.1	24
24	A Triazineâ€Based Analogue of Graphyne: Scalable Synthesis and Applications in Photocatalytic Dye Degradation and Bacterial Inactivation. Chemistry - A European Journal, 2020, 26, 2269-2275.	1.7	16
25	A Pillar[5]arene Conjugated Polymer for Removal of Low-Molecular-Weight Organic Acids, Amines, and Alcohols from Water. ACS Applied Polymer Materials, 2020, 2, 5566-5573.	2.0	18
26	Calibration and Improved Speckle Statistics of IM-CW Lidar for Atmospheric CO2 Measurements. Atmosphere, 2020, 11, 737.	1.0	1
27	High-repetition-rate, sub-nanosecond and narrow-bandwidth fiber-laser-pumped green laser for photon-counting shallow-water bathymetric Lidar. Results in Physics, 2020, 19, 103563.	2.0	9
28	Engineering central pathways for industrial-level (3R)-acetoin biosynthesis in Corynebacterium glutamicum. Microbial Cell Factories, 2020, 19, 102.	1.9	21
29	Covalent Triazine Framework Confined Copper Catalysts for Selective Electrochemical CO₂ Reduction: Operando Diagnosis of Active Sites. ACS Catalysis, 2020, 10, 4534-4542.	5.5	112
30	Engineering Corynebacterium glutamicum for the Efficient Production of 3-Hydroxypropionic Acid from a Mixture of Glucose and Acetate via the Malonyl-CoA Pathway. Catalysts, 2020, 10, 203.	1.6	15
31	Development of Novel Bioreactor Control Systems Based on Smart Sensors and Actuators. Frontiers in Bioengineering and Biotechnology, 2020, 8, 7.	2.0	36
32	Production of riboflavin and related cofactors by biotechnological processes. Microbial Cell Factories, 2020, 19, 31.	1.9	75
33	Integrating CRISPR-Enabled Trackable Genome Engineering and Transcriptomic Analysis of Global Regulators for Antibiotic Resistance Selection and Identification in Escherichia coli. MSystems, 2020, 5, .	1.7	8
34	Pillar[5]arene based conjugated macrocycle polymers with unique photocatalytic selectivity. Chinese Chemical Letters, 2020, 31, 3225-3229.	4.8	26
35	Substrate profiling and tolerance testing of Halomonas TD01 suggest its potential application in sustainable manufacturing of chemicals. Journal of Biotechnology, 2020, 316, 1-5.	1.9	11
36	Single-longitudinal-mode-operated, passively Q-switched Nd:YAG/Cr4+:YAG microchip laser with >100â€‰â€‰kHz repetition rate and <400â€‰â€‰ps pulse width. Applied Optics, 2020, 59, 4191.	0.9	1

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37	Dendrite-Free and Stable Lithium Metal Anodes Enabled by an Antimony-Based Lithiophilic Interphase. Chemistry of Materials, 2019, 31, 7565-7573.	3.2	73
38	Combinatorial expression of different Î²-carotene hydroxylases and ketolases in Escherichia coli for increased astaxanthin production. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1505-1516.	1.4	14
39	Checking the Synergetic Effect between Anatase and Rutile. Journal of Physical Chemistry C, 2019, 123, 19479-19485.	1.5	20
40	Covalent Triazine-Based Polymers with Controllable Band Alignment Matched with BiVO₄ To Boost Photogeneration of Holes for Water Splitting. Chemistry of Materials, 2019, 31, 8062-8068.	3.2	33
41	Development and characterization of a CRISPR/Cas9n-based multiplex genome editing system for Bacillus subtilis. Biotechnology for Biofuels, 2019, 12, 197.	6.2	55
42	A Low-Frequency MEMS Piezoelectric Energy Harvesting System Based on Frequency Up-Conversion Mechanism. Micromachines, 2019, 10, 639.	1.4	39
43	Direct synthesis of covalent triazine-based frameworks (CTFs) through aromatic nucleophilic substitution reactions. RSC Advances, 2019, 9, 18008-18012.	1.7	21
44	Modular Engineering of the Flavin Pathway in Escherichia coli for Improved Flavin Mononucleotide and Flavin Adenine Dinucleotide Production. Journal of Agricultural and Food Chemistry, 2019, 67, 6532-6540.	2.4	10
45	Unidirectional complexation of pillar[4]arene[1]benzoquinoneoxime with alkyl alcohols. Organic and Biomolecular Chemistry, 2019, 17, 4975-4978.	1.5	7
46	In vitro biosynthesis of optically pure dâ€•(â˜)â€•acetoin from meso â€2,3â€butanediol using 2,3â€butanediol dehydrogenase and NADH oxidase. Journal of Chemical Technology and Biotechnology, 2019, 94, 2547-2554.	1.6	15
47	Biochemical engineering in China. Reviews in Chemical Engineering, 2019, 35, 929-993.	2.3	1
48	Facile Fabrication of a Self-Healing Temperature-Sensitive Sensor Based on Ionogels and Its Application in Detection Human Breath. Nanomaterials, 2019, 9, 343.	1.9	16
49	Screening, expression, purification and characterization of CoA-transferases for lactoyl-CoA generation. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 899-909.	1.4	15
50	Evolutionary engineering of Escherichia coli for improved anaerobic growth in minimal medium accelerated lactate production. Applied Microbiology and Biotechnology, 2019, 103, 2155-2170.	1.7	10
51	Strong Capillarity, Chemisorption, and Electrocatalytic Capability of Crisscrossed Nanostraws Enabled Flexible, High-Rate, and Long-Cycling Lithiumâ€“Sulfur Batteries. ACS Nano, 2018, 12, 4868-4876.	7.3	222
52	Correction to Highly Efficient Retention of Polysulfides in â€œSea-Urchinâ€•Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithiumâ€“Sulfur Batteries. Nano Letters, 2018, 18, 1553-1553.	4.5	5
53	Highly Efficient Nonlinear Optical Conversion in Waveguiding GaSe Nanoribbons with Pump Pulses Down to a Femtoâ€Joule Level. Advanced Optical Materials, 2018, 6, 1701012.	3.6	11
54	Metabolic engineering of Corynebacterium glutamicum for efficient production of succinate from lignocellulosic hydrolysate. Biotechnology for Biofuels, 2018, 11, 95.	6.2	45

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55	Model-based reconstruction of synthetic promoter library in Corynebacterium glutamicum. Biotechnology Letters, 2018, 40, 819-827.	1.1	24
56	Engineering genome-reduced Bacillus subtilis for acetoin production from xylose. Biotechnology Letters, 2018, 40, 393-398.	1.1	19
57	Genome-scale metabolic model analysis indicates low energy production efficiency in marine ammonia-oxidizing archaea. AMB Express, 2018, 8, 106.	1.4	4
58	Atomic Substitution Enabled Synthesis of Vacancy-Rich Two-Dimensional Black TiO_{2â€“x} Nanoflakes for High-Performance Rechargeable Magnesium Batteries. ACS Nano, 2018, 12, 12492-12502.	7.3	116
59	Recent advances in CRISPR/Cas9 mediated genome editing in Bacillus subtilis. World Journal of Microbiology and Biotechnology, 2018, 34, 153.	1.7	29
60	Ionic liquid-immobilized polymer gel electrolyte with self-healing capability, high ionic conductivity and heat resistance for dendrite-free lithium metal batteries. Nano Energy, 2018, 54, 17-25.	8.2	168
61	Development of a Thermoelectric and Electromagnetic Hybrid Energy Harvester from Water Flow in an Irrigation System. Micromachines, 2018, 9, 395.	1.4	13
62	Concomitant cellâ€free biosynthesis of optically pure <scp>D</scp>â€(â˜)â€acetoin and xylitol via a novel <scp>NAD</scp>⁺ regeneration in twoâ€enzyme cascade. Journal of Chemical Technology and Biotechnology, 2018, 93, 3444-3451.	1.6	13
63	Highly efficient hemicellulose utilization for acetoin production by an engineered Bacillus subtilis. Journal of Chemical Technology and Biotechnology, 2018, 93, 3428-3435.	1.6	7
64	Construction, Model-Based Analysis, and Characterization of a Promoter Library for Fine-Tuned Gene Expression in Bacillus subtilis. ACS Synthetic Biology, 2018, 7, 1785-1797.	1.9	67
65	Tunable terahertz wave difference frequency generation in a graphene/AlGaAs surface plasmon waveguide. Photonics Research, 2018, 6, 186.	3.4	11
66	A Self-Powered Six-Axis Tactile Sensor by Using Triboelectric Mechanism. Nanomaterials, 2018, 8, 503.	1.9	16
67	Investigation of Position Sensing and Energy Harvesting of a Flexible Triboelectric Touch Pad. Nanomaterials, 2018, 8, 613.	1.9	29
68	Ultrahigh rate capability and ultralong cycling stability of sodium-ion batteries enabled by wrinkled black titania nanosheets with abundant oxygen vacancies. Nano Energy, 2018, 53, 91-96.	8.2	44
69	Integrated whole-genome and transcriptome sequence analysis reveals the genetic characteristics of a riboflavin-overproducing Bacillus subtilis. Metabolic Engineering, 2018, 48, 138-149.	3.6	45
70	Frequency-stepped pulse train generation in an amplified frequency-shifted loop for oxygen A-band spectroscopy. Optics Express, 2018, 26, 34753.	1.7	13
71	All-fiber passively mode-locked laser using nonlinear multimode interference of step-index multimode fiber. Photonics Research, 2018, 6, 1033.	3.4	62
72	A three-species microbial consortium for power generation. Energy and Environmental Science, 2017, 10, 1600-1609.	15.6	90

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73	Metabolic engineering of an E. coli ndh knockout strain for <scp>PHB</scp> production from mixed glucoseâ€“xylose feedstock. Journal of Chemical Technology and Biotechnology, 2017, 92, 2739-2745.	1.6	11
74	Preparation and electrical properties of ZnOâ€Bi₂O₃â€based multilayer varistors with base metal nickel inner electrodes. Journal of the American Ceramic Society, 2017, 100, 3024-3032.	1.9	9
75	Artificial consortium that produces riboflavin regulates distribution of acetoin and 2,3â€butanediol by Paenibacillus polymyxa CJX518. Engineering in Life Sciences, 2017, 17, 1039-1049.	2.0	8
76	Enhancement of 5-aminolevulinic acid production by metabolic engineering of the glycine biosynthesis pathway in Corynebacterium glutamicum. Biotechnology Letters, 2017, 39, 1369-1374.	1.1	16
77	Highly Efficient Retention of Polysulfides in â€œSea Urchinâ€•Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithiumâ€“Sulfur Batteries. Nano Letters, 2017, 17, 437-444.	4.5	223
78	glyA gene knock-out in Escherichia coli enhances L-serine production without glycine addition. Biotechnology and Bioprocess Engineering, 2017, 22, 390-396.	1.4	12
79	Systematic metabolic engineering of Corynebacterium glutamicum for the industrial-level production of optically pure <scp>d</scp>-(â^')-acetoin. Green Chemistry, 2017, 19, 5691-5702.	4.6	36
80	Self-Templated Formation of Interlaced Carbon Nanotubes Threaded Hollow Co₃S₄ Nanoboxes for High-Rate and Heat-Resistant Lithiumâ€“Sulfur Batteries. Journal of the American Chemical Society, 2017, 139, 12710-12715.	6.6	456
81	Porous-Shell Vanadium Nitride Nanobubbles with Ultrahigh Areal Sulfur Loading for High-Capacity and Long-Life Lithiumâ€“Sulfur Batteries. Nano Letters, 2017, 17, 7839-7846.	4.5	206
82	High-Performance Liâ€“Se Batteries Enabled by Selenium Storage in Bottom-Up Synthesized Nitrogen-Doped Carbon Scaffolds. ACS Applied Materials & Interfaces, 2017, 9, 25232-25238.	4.0	50
83	Cerium Oxide Nanocrystal Embedded Bimodal Micromesoporous Nitrogen-Rich Carbon Nanospheres as Effective Sulfur Host for Lithiumâ€“Sulfur Batteries. ACS Nano, 2017, 11, 7274-7283.	7.3	213
84	Numerical simulation of efficient second harmonic generation in high-index-contrast AlGaAs microring waveguide by using the discrete method. Journal of Modern Optics, 2017, 64, 624-631.	0.6	0
85	A synthetic microbial consortium of Shewanella and Bacillus for enhanced generation of bioelectricity. Biotechnology and Bioengineering, 2017, 114, 526-532.	1.7	50
86	Frequency Doubling of a Pulsed Wavelength-Agile Erbium-Doped Fiber MOPA for Oxygen A-Band Spectroscopy. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	0
87	Amplification assisted difference frequency generation for efficient mid-infrared conversion based on monolithic tandem lithium niobate superlattice. Photonics Research, 2017, 5, 355.	3.4	1
88	Conversion of Glycerol to 3-Hydroxypropanoic Acid by Genetically Engineered Bacillus subtilis. Frontiers in Microbiology, 2017, 8, 638.	1.5	22
89	Watt-level mid-infrared radiation via self-seeded difference-frequency generation from a pre-chirp managed femtosecond Yb-fiber amplifier. Applied Optics, 2017, 56, 1574.	2.1	4
90	Pathway-Consensus Approach to Metabolic Network Reconstruction for Pseudomonas putida KT2440 by Systematic Comparison of Published Models. PLoS ONE, 2017, 12, e0169437.	1.1	29

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91	Differential absorption lidar observation on small-time-scale features of water vapor in the atmospheric boundary layer. , 2017, , .		0
92	Production of Acetoin through Simultaneous Utilization of Glucose, Xylose, and Arabinose by Engineered Bacillus subtilis. PLoS ONE, 2016, 11, e0159298.	1.1	29
93	Burst-mode-operated, sub-nanosecond fiber MOPA system incorporating direct seed-packet shaping. Optics Express, 2016, 24, 20963.	1.7	22
94	Optimization of the idler wavelength tunable cascaded optical parametric oscillator based on chirp-assisted aperiodically poled lithium niobate crystal. Chinese Physics B, 2016, 25, 014209.	0.7	0
95	Metabolic engineering of Corynebacterium glutamicum for efficient production of 5â€aminolevulinic acid. Biotechnology and Bioengineering, 2016, 113, 1284-1293.	1.7	63
96	High Power Yb Fiber Laser With Picosecond Bursts and the Quasi-Synchronously Pumping for Efficient Midinfrared Laser Generation in Optical Parametric Oscillator. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	4
97	Production of 5-aminolevulinic acid by cell free multi-enzyme catalysis. Journal of Biotechnology, 2016, 226, 8-13.	1.9	34
98	Increased riboflavin production by knockout of 6-phosphofructokinase I and blocking the Entnerâ€“Doudoroff pathway in Escherichia coli. Biotechnology Letters, 2016, 38, 1307-1314.	1.1	17
99	Metabolic engineering of Bacillus subtilis for chiral pure meso-2,3-butanediol production. Biotechnology for Biofuels, 2016, 9, 90.	6.2	80
100	An engineered non-oxidative glycolysis pathway for acetone production in Escherichia coli. Biotechnology Letters, 2016, 38, 1359-1365.	1.1	17
101	Self-assembled ultrathin NiCo2S4 nanoflakes grown on Ni foam as high-performance flexible electrodes for hydrogen evolution reaction in alkaline solution. Nano Energy, 2016, 24, 139-147.	8.2	282
102	High-yield anaerobic succinate production by strategically regulating multiple metabolic pathways based on stoichiometric maximum in Escherichia coli. Microbial Cell Factories, 2016, 15, 141.	1.9	43
103	Directed evolution of adenylosuccinate synthetase from Bacillus subtilis and its application in metabolic engineering. Journal of Biotechnology, 2016, 231, 115-121.	1.9	12
104	Linearly polarized, dual wavelength frequency-modulated continuous-wave fiber laser for simultaneous coherent distance and speed measurements. Laser Physics Letters, 2016, 13, 075105.	0.6	10
105	Optimization of the Tunable Nanosecond Cascaded Optical Parametric Oscillators Based on Monolithic Tandem Lithium Niobate Superlattices. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	1
106	Characterization of genome-reduced Bacillus subtilis strains and their application for the production of guanosine and thymidine. Microbial Cell Factories, 2016, 15, 94.	1.9	36
107	Combinatorial optimization of CO₂ transport and fixation to improve succinate production by promoter engineering. Biotechnology and Bioengineering, 2016, 113, 1531-1541.	1.7	48
108	KTiOPO₄double barrier optical waveguides produced by Rb⁺-K⁺ion exchange and subsequent He⁺-ion irradiation. Optical Engineering, 2016, 55, 036107.	0.5	12

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109	Multi-yolk-shell copper oxide@carbon octahedra as high-stability anodes for lithium-ion batteries. Nano Energy, 2016, 20, 305-314.	8.2	107
110	Fiber laser pumped OPO for high power mid-IR laser output. , 2015, , .		0
111	High-efficiency PPMgLN-based mid-infrared optical parametric oscillator pumped by a MOPA-structured fiber laser with long pulse duration. Laser Physics, 2015, 25, 125401.	0.6	2
112	Comparison of carbon-sulfur and carbon-amine bond in therapeutic drug: 4Î²-S-aromatic heterocyclic podophyllum derivatives display antitumor activity. Scientific Reports, 2015, 5, 14814.	1.6	16
113	Fluoride-containing podophyllum derivatives exhibit antitumor activities through enhancing mitochondrial apoptosis pathway by increasing the expression of caspase-9 in HeLa cells. Scientific Reports, 2015, 5, 17175.	1.6	12
114	Aroma improvement by repeated freeze-thaw treatment during Tuber melanosporum fermentation. Scientific Reports, 2015, 5, 17120.	1.6	27
115	Collaborative regulation of CO2 transport and fixation during succinate production in Escherichia coli. Scientific Reports, 2015, 5, 17321.	1.6	23
116	Metabolic engineering of Escherichia coli for poly(3-hydroxybutyrate) production via threonine bypass. Microbial Cell Factories, 2015, 14, 185.	1.9	40
117	Nanomaterials for Optical Sensing and Sensors: Plasmonics, Raman, and Optofluidics. Journal of Nanomaterials, 2015, 2015, 1-3.	1.5	1
118	Improvement of the riboflavin production by engineering the precursor biosynthesis pathways in Escherichia coli. Chinese Journal of Chemical Engineering, 2015, 23, 1834-1839.	1.7	13
119	Broadband high-power mid-IR femtosecond pulse generation from an ytterbium-doped fiber laser pumped optical parametric amplifier. Optics Letters, 2015, 40, 5774.	1.7	15
120	Fiber laser pumped burst-mode operated picosecond mid-infrared laser. Chinese Physics B, 2015, 24, 024217.	0.7	6
121	Development of a markerless gene replacement system in Corynebacterium glutamicum using upp as a counter-selection marker. Biotechnology Letters, 2015, 37, 609-617.	1.1	35
122	Metabolic engineering of Escherichia coli using CRISPRâ€“Cas9 meditated genome editing. Metabolic Engineering, 2015, 31, 13-21.	3.6	351
123	Engineering hollow mesoporous silica nanocontainers with molecular switches for continuous self-healing anticorrosion coating. Journal of Materials Chemistry A, 2015, 3, 9510-9516.	5.2	89
124	Tubulin structure-based drug design for the development of novel 4Î²-sulfur-substituted podophyllum tubulin inhibitors with anti-tumor activity. Scientific Reports, 2015, 5, 10172.	1.6	17
125	Graphene Saturable Absorber Based on Slightly Tapered Fiber With Inner Air-Cavity. Journal of Lightwave Technology, 2015, 33, 2332-2336.	2.7	11
126	Compact high power mid-infrared optical parametric oscillator pumped by a gain-switched fiber laser with â€œfigure-of-hâ€•pulse shape. Optics Express, 2015, 23, 2633.	1.7	10

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127	High-speed high-precision and ultralong-range complex spectral domain dimensional metrology. Optics Express, 2015, 23, 11013.	1.7	10
128	Purification and functional characterization of thermostable 5-aminolevulinic acid synthases. Biotechnology Letters, 2015, 37, 2247-2253.	1.1	10
129	Inverse metabolic engineering of Bacillus subtilis for xylose utilization based on adaptive evolution and whole-genome sequencing. Applied Microbiology and Biotechnology, 2015, 99, 885-896.	1.7	29
130	Engineering of Serine-Deamination pathway, Entner-Doudoroff pathway and pyruvate dehydrogenase complex to improve poly(3-hydroxybutyrate) production in Escherichia coli. Microbial Cell Factories, 2014, 13, 172.	1.9	36
131	Wavelength-locking-free 157Âμm differential absorption lidar for CO_2 sensing. Optics Express, 2014, 22, 27675.	1.7	5
132	Temperature insensitive, high-power cascaded optical parametric oscillator based on an aperiodically poled lithium niobate crystal. Optics Express, 2014, 22, 26900.	1.7	6
133	Engineering microorganisms based on molecular evolutionary analysis: a succinate production case study. Evolutionary Applications, 2014, 7, 913-920.	1.5	4
134	Significance of metal ion supplementation in the fermentation medium on the structure and anti-tumor activity of Tuber polysaccharides produced by submerged culture of Tuber melanosporum. Process Biochemistry, 2014, 49, 2030-2038.	1.8	19
135	Aerobic production of succinate from arabinose by metabolically engineered Corynebacterium glutamicum. Bioresource Technology, 2014, 151, 411-414.	4.8	32
136	Ranking the significance of fermentation conditions on the volatile organic compounds of Tuber melanosporum fermentation system by combination of head-space solid phase microextraction and chromatographic fingerprint similarity analysis. Bioprocess and Biosystems Engineering, 2014, 37, 543-552.	1.7	6
137	Isolation and characterization of polysaccharides with the antitumor activity from Tuber fruiting bodies and fermentation system. Applied Microbiology and Biotechnology, 2014, 98, 1991-2002.	1.7	35
138	Enhancement of riboflavin production by deregulating gluconeogenesis in Bacillus subtilis. World Journal of Microbiology and Biotechnology, 2014, 30, 1893-1900.	1.7	25
139	Design and synthesis of the novel DNA topoisomerase II inhibitors: Esterification and amination substituted 4â€²-demethylepipodophyllotoxin derivates exhibiting anti-tumor activity by activating ATM/ATR signaling pathways. European Journal of Medicinal Chemistry, 2014, 80, 267-277.	2.6	17
140	Passively mode-locked fiber laser by using monolayer chemical vapor deposition of graphene on D-shaped fiber. Applied Optics, 2014, 53, 2828.	0.9	29
141	A rational design strategy of the novel topoisomerase II inhibitors for the synthesis of the 4-O-(2-pyrazinecarboxylic)-4â€²-demethylepipodophyllotoxin with antitumor activity by diminishing the relaxation reaction of topoisomerase II-DNA decatenation. Bioorganic and Medicinal Chemistry, 2014, 22, 2998-3007.	1.4	11
142	Metabolic engineering of Escherichia coli and in silico comparing of carboxylation pathways for high succinate productivity under aerobic conditions. Microbiological Research, 2014, 169, 432-440.	2.5	29
143	Improved poly(3-hydroxybutyrate) production in Escherichia coli by inactivation of cytochrome bd-II oxidase or/and NDH-II dehydrogenase in low efficient respiratory chains. Journal of Biotechnology, 2014, 192, 170-176.	1.9	10
144	Engineering Escherichia coli for fumaric acid production from glycerol. Bioresource Technology, 2014, 174, 81-87.	4.8	48

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145	Mechanized silica nanoparticles based on reversible bistable [2]pseudorotaxanes as supramolecular nanovalves for multistage pH-controlled release. Chemical Communications, 2014, 50, 5068-5071.	2.2	43
146	Graphene quantum dot-capped mesoporous silica nanoparticles through an acid-cleavable acetal bond for intracellular drug delivery and imaging. Journal of Materials Chemistry B, 2014, 2, 4979.	2.9	88
147	Polarization-locked vector solitons in a mode-locked fiber laser using polarization-sensitive few-layer graphene deposited D-shaped fiber saturable absorber. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1377.	0.9	15
148	Ultra-fast solitons in a long cavity multi-mode-fiber-based graphene mode-locked fiber laser with high slope efficiency. Laser Physics, 2014, 24, 085109.	0.6	3
149	Deregulation of purine pathway in Bacillus subtilis and its use in riboflavin biosynthesis. Microbial Cell Factories, 2014, 13, 101.	1.9	39
150	Metabolic engineering of Escherichia coli for the production of riboflavin. Microbial Cell Factories, 2014, 13, 104.	1.9	70
151	Improved succinate production in Corynebacterium glutamicum by engineering glyoxylate pathway and succinate export system. Biotechnology Letters, 2014, 36, 553-560.	1.1	39
152	NADH plays the vital role for chiral pure Dâ€(â^')â€2,3â€butanediol production in Bacillus subtilis under limited oxygen conditions. Biotechnology and Bioengineering, 2014, 111, 2126-2131.	1.7	63
153	Research Progress in Benzosilole-Containing Organic Compounds. Chinese Journal of Organic Chemistry, 2014, 34, 1061.	0.6	3
154	Multiplex Plasmid Engineering (MPE) for Fine Tuning the Expression Level of Red Fluorescent Protein. Lecture Notes in Electrical Engineering, 2014, , 1837-1844.	0.3	0
155	Activation of glyoxylate pathway without the activation of its related gene in succinate-producing engineered Escherichia coli. Metabolic Engineering, 2013, 20, 9-19.	3.6	27
156	Acid and Alkaline Dual Stimuli-Responsive Mechanized Hollow Mesoporous Silica Nanoparticles as Smart Nanocontainers for Intelligent Anticorrosion Coatings. ACS Nano, 2013, 7, 11397-11408.	7.3	234
157	Directed pathway evolution of the glyoxylate shunt in Escherichia coli for improved aerobic succinate production from glycerol. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 1461-1475.	1.4	30
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