Yi-Jun Chen

List of Publications by Year
in descending order

98	2,354	172457	243625
papers	citations	29 h-index	44 g-index

106	106	106	2578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reprogramming the Biosynthesis of Precursor Peptide to Create a Selenazole-Containing Nosiheptide Analogue. ACS Synthetic Biology, 2022, 11, 85-91.	3.8	4
2	Engineering of a UDP-Glycosyltransferase for the Efficient Whole-Cell Biosynthesis of Siamenoside I in Escherichia coli. Journal of Agricultural and Food Chemistry, 2022, 70, 1601-1609.	5.2	13
3	MD2 Is a Potential Biomarker Associated with Immune Cell Infiltration in Gliomas. Frontiers in Oncology, 2022, 12, 854598.	2.8	3
4	Enzymatic hydrolyzation of mogrosides in Luo Han Guo extract by NKA-adsorbed snailase improves its sensory profile. Food Chemistry, 2022, 390, 133205.	8.2	2
5	Development of a chiral HPLC method for the separation and quantification of hydroxychloroquine enantiomers. Scientific Reports, 2021, 11, 8017.	3.3	10
6	The interaction of SET and protein phosphatase 2A as target for cancer therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188578.	7.4	14
7	Efficacy, Pharmacokinetics, Biodistribution and Excretion of a Novel Acylated Long-Acting Insulin Analogue INS061 in Rats. Drug Design, Development and Therapy, 2021, Volume 15, 3487-3498.	4.3	1
8	Efficient whole-cell biosynthesis of l-gulose by coupling mannitol-1-dehydrogenase with NADH oxidase. Enzyme and Microbial Technology, 2021, 148, 109815.	3.2	5
9	Selective enzymatic Î±-1,6- monoglucosylation of mogroside IIIE for the bio-creation of Î±-siamenoside I, a potential high-intensity sweetener. Food Chemistry, 2021, 359, 129938.	8.2	6
10	Identification of a heparosan heptasaccharide as an effective anti-inflammatory agent by partial desulfation of low molecular weight heparin. Carbohydrate Polymers, 2020, 227, 115312.	10.2	8
11	Enzymatic Monoglucosylation of Rubusoside and the Structureâ€“Sweetness/Taste Relationship of Monoglucosyl Derivatives. Journal of Agricultural and Food Chemistry, 2020, 68, 8702-8709.	5.2	10
12	Riboflavin Is Directly Involved in Nâ€Dealkylation Catalyzed by Bacterial Cytochrome P450 Monooxygenases. ChemBioChem, 2020, 21, 2297-2305.	2.6	9
13	Efficient Biocatalytic Preparation of Rebaudioside KA: Highly Selective Glycosylation Coupled with UDPG Regeneration. Scientific Reports, 2020, 10, 6230.	3.3	13
14	Bifunctional Fusion Proteins Derived from Tumstatin and 4-1BBL for Targeted Cancer Therapy. Molecular Pharmaceutics, 2019, 16, 867-876.	4.6	7
15	Photoswitchable Heparinase III for Enzymatic Preparation of Low Molecular Weight Heparin. Organic Letters, 2018, 20, 48-51.	4.6	14
16	Identification of truncated form of NosP as a transcription factor to regulate the biosynthesis of nosiheptide. FASEB Journal, 2018, 32, 453-465.	0.5	9
17	Glycyrrhetinic Acid Functionalized Graphene Oxide for Mitochondria Targeting and Cancer Treatment In Vivo. Small, 2018, 14, 1703306.	10.0	89
18	Quantitative Assessment of the Absolute Purity of Thiopeptcin Reference Standard by 1H-NMR. Analytical Sciences, 2018, 34, 1093-1098.	1.6	11

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19	Ribosomal protein L10 in mitochondria serves as a regulator for ROS level in pancreatic cancer cells. Redox Biology, 2018, 19, 158-165.	9.0	32
20	Combined treatment with sorafenib and silibinin synergistically targets both HCC cells and cancer stem cells by enhanced inhibition of the phosphorylation of STAT3/ERK/AKT. European Journal of Pharmacology, 2018, 832, 39-49.	3.5	44
21	Novel 2-phenyloxypyrimidine derivative induces apoptosis and autophagy via inhibiting PI3K pathway and activating MAPK/ERK signaling in hepatocellular carcinoma cells. Scientific Reports, 2018, 8, 10923.	3.3	18
22	Expanding the Catalytic Promiscuity of Heparinaseâ€...III from Pedobacter heparinus. Chemistry - A European Journal, 2017, 23, 2548-2551.	3.3	7
23	Discovery of an Orally Selective Inhibitor of Signal Transducer and Activator of Transcription 3 Using Advanced Multiple Ligand Simultaneous Docking. Journal of Medicinal Chemistry, 2017, 60, 2718-2731.	6.4	41
24	Mutagenesis of NosM Leader Peptide Reveals Important Elements in Nosiheptide Biosynthesis. Applied and Environmental Microbiology, 2017, 83, .	3.1	5
25	Optimization of critical medium components for enhancing antibacterial thiopeptide nocathiacin I production with significantly improved quality. Chinese Journal of Natural Medicines, 2017, 15, 292-300.	1.3	2
26	Rearranged limonoids with unique 6/5/6/5 tetracarbocyclic skeletons from Toona ciliata and biomimetic structure divergence. Organic Chemistry Frontiers, 2017, 4, 2417-2421.	4.5	16
27	Cooperative down-regulation of ribosomal protein L10 and NF-ÎºB signaling pathway is responsible for the anti-proliferative effects by DMAPT in pancreatic cancer cells. Oncotarget, 2017, 8, 35009-35018.	1.8	19
28	Spirotrichilins A and B: Two Rearranged Spirocyclic Limonoids from Trichilia connaroides. Organic Letters, 2016, 18, 1924-1927.	4.6	37
29	Highly specific quantification of microRNA by coupling probeâ€“rolling circle amplification and FÃ¶rster resonance energy transfer. Analytical Biochemistry, 2016, 502, 16-23.	2.4	23
30	Mutagenesis of precursor peptide for the generation of nosiheptide analogues. RSC Advances, 2016, 6, 94643-94650.	3.6	14
31	The catalytic characteristics of NocB in nocathiacin biosynthesis from Nocardia sp. ATCC 202099. RSC Advances, 2016, 6, 72399-72408.	3.6	3
32	Selection of Reference Genes for Gene Expression Normalization in Peucedanum praeruptorum Dunn under Abiotic Stresses, Hormone Treatments and Different Tissues. PLoS ONE, 2016, 11, e0152356.	2.5	37
33	The importance of start codon of nosM in nosiheptide production. Chinese Journal of Natural Medicines, 2015, 13, 854-860.	1.3	5
34	Involudispirones A and B: Sesterterpenes Containing a Dispiro Ring from Stahlianthus involucratus. Asian Journal of Organic Chemistry, 2015, 4, 1366-1369.	2.7	11
35	Involucratustones Aâ€“C: Unprecedented Sesquiterpene Dimers Containing Multiple Contiguous Quaternary Carbons from Stahlianthus involucratus. Chemistry - A European Journal, 2015, 21, 13206-13209.	3.3	36
36	Integration of a Decrescent Transcriptome and Metabolomics Dataset of Peucedanum praeruptorum to Investigate the CYP450 and MDR Genes Involved in Coumarins Biosynthesis and Transport. Frontiers in Plant Science, 2015, 6, 996.	3.6	39

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37	Genetic incorporation of <scp>d</scp>-amino acids into green fluorescent protein based on polysubstrate specificity. RSC Advances, 2015, 5, 39580-39586.	3.6	5
38	Isolation and biomimetic synthesis of (Â±)-calliviminones A and B, two novel Dielsâ€“Alder adducts, from Callistemon viminalis. Tetrahedron Letters, 2015, 56, 229-232.	1.4	34
39	Enzymatic preparation of t-butyl-6-cyano-(3R, 5R)-dihydroxyhexanoate by a whole-cell biocatalyst co-expressing carbonyl reductase and glucose dehydrogenase. Process Biochemistry, 2015, 50, 104-110.	3.7	21
40	Discovery of a small molecule targeting SET-PP2A interaction to overcome BCR-ABLT315I mutation of chronic myeloid leukemia. Oncotarget, 2015, 6, 12128-12140.	1.8	25
41	The â€œGate Keeperâ€•Role of Trp222 Determines the Enantiopreference of Diketoreductase toward 2-Chloro-1-Phenylethanone. PLoS ONE, 2014, 9, e103792.	2.5	18
42	Enzymatic synthesis of l-norephedrine by coupling recombinant pyruvate decarboxylase and Ï‰-transaminase. Applied Microbiology and Biotechnology, 2014, 98, 7399-7408.	3.6	19
43	Efficient access to the non-reducing end of low molecular weight heparin for fluorescent labeling. Chemical Communications, 2014, 50, 7004.	4.1	14
44	Directly utilizing an endogenous gene to dissect regulatory elements in the biosynthetic gene cluster of nosiheptide. Chemical Communications, 2014, 50, 10430-10433.	4.1	6
45	Microparticle-Based Strategy for Controlled Release of Substrate for the Biocatalytic Preparation of <scp>l</scp>-Homophenylalanine. ACS Catalysis, 2014, 4, 1584-1587.	11.2	19
46	Oral Delivery of Exenatide via Microspheres Prepared by Cross-Linking of Alginate and Hyaluronate. PLoS ONE, 2014, 9, e86064.	2.5	15
47	Enhancement of biocatalytic efficiency by increasing substrate loading: enzymatic preparation of l-homophenylalanine. Applied Microbiology and Biotechnology, 2013, 97, 8487-8494.	3.6	10
48	Multiple Oxidative Routes towards the Maturation of Nosiheptide. ChemBioChem, 2013, 14, 1544-1547.	2.6	36
49	The Câ€Terminal Extended Serine Residue Is Absolutely Required in Nosiheptide Maturation. ChemBioChem, 2013, 14, 573-576.	2.6	21
50	Toosendanin induces apoptosis through suppression of JNK signaling pathway in HL-60 cells. Toxicology in Vitro, 2013, 27, 232-238.	2.4	23
51	Identification of important residues in diketoreductase from Acinetobacter baylyi by molecular modeling and site-directed mutagenesis. Biochimie, 2012, 94, 471-478.	2.6	10
52	Dual catalysis mode for the dicarbonyl reduction catalyzed by diketoreductase. Chemical Communications, 2012, 48, 11352.	4.1	8
53	Chirality plays critical roles in enhancing the aqueous solubility of nocathiacin I by block copolymer micelles. Journal of Pharmacy and Pharmacology, 2012, 65, 64-71.	2.4	8
54	Dicarbonyl reduction by single enzyme for the preparation of chiral diols. Chemical Society Reviews, 2012, 41, 1742.	38.1	38

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55	Genetic incorporation of d-lysine into diketoreductase in Escherichia coli cells. Amino Acids, 2012, 43, 2553-2559.	2.7	5
56	The Apoptotic Effects of Toosendanin Are Partially Mediated by Activation of Deoxycytidine Kinase in HL-60 Cells. PLoS ONE, 2012, 7, e52536.	2.5	18
57	Recombinant human CD137L for cancer immunotherapy: effects of different fusions and linkers on its activity. Cancer Immunology, Immunotherapy, 2012, 61, 489-495.	4.2	6
58	Soluble expression of recombinant human CD137 ligand in Escherichia coli by co-expression of chaperones. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 471-476.	3.0	7
59	Functional roles of Tryptophan residues in diketoreductase from Acinetobacter baylyi. BMB Reports, 2012, 45, 452-457.	2.4	3
60	Enzymatic Preparation of an (S)-Amino Acid from a Racemic Amino Acid. Organic Process Research and Development, 2011, 15, 241-248.	2.7	40
61	Correlation between Intracellular Cofactor Concentrations and Biocatalytic Efficiency: Coexpression of Diketoreductase and Glucose Dehydrogenase for the Preparation of Chiral Diol for Statin Drugs. ACS Catalysis, 2011, 1, 1661-1664.	11.2	35
62	A simple reverse genetics approach to elucidating the biosynthetic pathway of nocathiacin. Biotechnology Letters, 2011, 33, 585-591.	2.2	11
63	Preparation of ethyl 3R,5S-6-(benzyloxy)-3,5-dihydroxy-hexanoate by recombinant diketoreductase in a biphasic system. Bioresource Technology, 2011, 102, 3649-3652.	9.6	25
64	Catalytic Effects of Different Heparin Analogs on the Hydrolysis of Auramine O. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 253-261.	3.5	0
65	Editorial [Hot topic: Biotransformation in Drug Discovery and Development (Guest Editor: Yijun) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	1
66	Efficient amplification of genes involved in microbial secondary metabolism by an improved genome walking method. Applied Microbiology and Biotechnology, 2010, 87, 757-764.	3.6	9
67	Stereoselective introduction of two chiral centers by a single diketoreductase: an efficient biocatalytic route for the synthesis of statin side chains. Amino Acids, 2010, 39, 305-308.	2.7	29
68	A diketoreductase exhibits unique renaturation profile from thermal-induced protein unfolding. Amino Acids, 2010, 39, 609-613.	2.7	5
69	Separation of structurally similar nocathiacin analogues by reversed phase chromatography. Journal of Chromatography A, 2010, 1217, 3038-3043.	3.7	4
70	Microbial generation of nocathiacin acid from nocathiacin I. Bioresource Technology, 2010, 101, 3617-3622.	9.6	12
71	PhD: routine technical work of sequencing is no substitute. Nature, 2010, 464, 831-831.	27.8	0
72	A Bacterial Enzyme Catalyzing Double Reduction of a Î²,Î´-Diketo Ester with Unprecedented Stereoselectivity. Nature Precedings, 2010, , .	0.1	0

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73	Simple reverse genetics approach to elucidating the biosynthetic pathway of complex thiopeptide nocathiacin. Nature Precedings, 2010, , .	0.1	0
74	Dehydrogenases/Reductases for the Synthesis of Chiral Pharmaceutical Intermediates. Current Organic Chemistry, 2010, 14, 1447-1460.	1.6	34
75	Universal Method Facilitating the Amplification of Extremely GC-Rich DNA Fragments from Genomic DNA. Analytical Chemistry, 2010, 82, 6303-6307.	6.5	15
76	Chemical genetic screening of KRAS-based synthetic lethal inhibitors for pancreatic cancer. Frontiers in Bioscience - Landmark, 2009, Volume, 2904.	3.0	15
77	Cloning, expression, and characterization of a novel diketoreductase from <italic>Acinetobacter baylyi</italic>. Acta Biochimica Et Biophysica Sinica, 2009, 41, 163-170.	2.0	24
78	Enantioselective synthesis of ethyl (S)-2-hydroxy-4-phenylbutyrate by recombinant diketoreductase. Tetrahedron: Asymmetry, 2009, 20, 2504-2509.	1.8	30
79	Determination of enantiomeric excess of ethyl 3,5â€dihydroxyâ€6â€benzyloxy hexanoate by chiral reverse phase high performance liquid chromatography. Chirality, 2008, 20, 51-53.	2.6	3
80	Preparation of (R)â€Amines from Racemic Amines with an (S)â€Amine Transaminase from Bacillus megaterium. Advanced Synthesis and Catalysis, 2008, 350, 1367-1375.	4.3	134
81	Olympics may have a negative impact on China's research. Nature, 2008, 454, 1049-1049.	27.8	0
82	A Bacterial Enzyme Catalyzing Double Reduction of a Î²,Î´-Diketo Ester with Unprecedented Stereoselectivity. Nature Precedings, 2008, , .	0.1	5
83	A novel ketone derivative of artemisinin biotransformed by Streptomyces griseus ATCC 13273. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1909-1912.	2.2	41
84	Synthesis of ethyl and t-butyl (3R,5S)-dihydroxy-6-benzyloxy hexanoates via diastereo- and enantioselective microbial reduction. Tetrahedron: Asymmetry, 2006, 17, 1589-1602.	1.8	57
85	Purification, cloning, and functional expression of phenylalanine aminomutase: The first committed step in Taxol side-chain biosynthesis. Archives of Biochemistry and Biophysics, 2005, 438, 1-10.	3.0	49
86	Core-modified sordaricin derivatives: Synthesis and antifungal activity. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3403-3405.	2.2	8
87	Sordarin Oxazepine Derivatives as Potent Antifungal Agents. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2757-2760.	2.2	50
88	Group-Specific Assays That Distinguish between the Four Major Types of Mammalian Phospholipase A2. Analytical Biochemistry, 1999, 269, 278-288.	2.4	146
89	Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments. Journal of the American Chemical Society, 1999, 121, 8720-8727.	13.7	146
90	Expression and characterization of human group V phospholipase A2. Lipids and Lipid Metabolism, 1998, 1394, 57-64.	2.6	70

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91	Microbial models of soil metabolism: biotransformations of danofloxacin. Journal of Industrial Microbiology and Biotechnology, 1997, 19, 378-384.	3.0	51
92	Oligopeptides as Substrates and Inhibitors for a New Constitutive Nitric Oxide Synthase from Rat Cerebellum. Biochemical and Biophysical Research Communications, 1996, 224, 303-308.	2.1	10
93	Purification and characterization of nitric oxide synthase (NOSNoc) from a Nocardia species. Journal of Bacteriology, 1995, 177, 5122-5128.	2.2	121
94	A Bacterial, Nitric Oxide Synthase from a Nocardia Species. Biochemical and Biophysical Research Communications, 1994, 203, 1251-1258.	2.1	103
95	Effects of Antiglaucoma Drugs on Ocular Blood Flow in Ocular Hypertensive Rabbits. Journal of Ocular Pharmacology and Therapeutics, 1993, 9, 13-24.	1.4	37
96	Effects of Dopamine Agonist, Bromocriptine, and Some Dopamine Antagonists on Ocular Blood Flow. Journal of Ocular Pharmacology and Therapeutics, 1992, 8, 285-294.	1.4	33
97	Enhancement of systemic delivery of peptide drugs via ocular route with surfactants. Drug Development Research, 1992, 27, 177-183.	2.9	14
98	A Bacterial Enzyme Catalyzing Double Reduction of a Î²,Î´-Diketo Ester with Unprecedented Stereoselectivity. Nature Precedings, 0, , .	0.1	0