

Yi-Jun Chen

List of Publications by Year in descending order

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98
papers

2,354
citations

172457

29
h-index

243625

44
g-index

106
all docs

106
docs citations

106
times ranked

2578
citing authors

#	ARTICLE	IF	CITATIONS
1	Group-Specific Assays That Distinguish between the Four Major Types of Mammalian Phospholipase A2. <i>Analytical Biochemistry</i> , 1999, 269, 278-288.	2.4	146
2	Chemical Protein Synthesis by Solid Phase Ligation of Unprotected Peptide Segments. <i>Journal of the American Chemical Society</i> , 1999, 121, 8720-8727.	13.7	146
3	Preparation of (<i>R</i>)-Amines from Racemic Amines with an (<i>S</i>)-Amine Transaminase from <i>Bacillus megaterium</i> . <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1367-1375.	4.3	134
4	Purification and characterization of nitric oxide synthase (NOS _{Noc}) from a <i>Nocardia</i> species. <i>Journal of Bacteriology</i> , 1995, 177, 5122-5128.	2.2	121
5	A Bacterial, Nitric Oxide Synthase from a <i>Nocardia</i> Species. <i>Biochemical and Biophysical Research Communications</i> , 1994, 203, 1251-1258.	2.1	103
6	Glycyrrhetic Acid Functionalized Graphene Oxide for Mitochondria Targeting and Cancer Treatment <i>In Vivo</i> . <i>Small</i> , 2018, 14, 1703306.	10.0	89
7	Expression and characterization of human group V phospholipase A2. <i>Lipids and Lipid Metabolism</i> , 1998, 1394, 57-64.	2.6	70
8	Synthesis of ethyl and <i>t</i> -butyl (3 <i>R</i> ,5 <i>S</i>)-dihydroxy-6-benzyloxy hexanoates via diastereo- and enantioselective microbial reduction. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1589-1602.	1.8	57
9	Microbial models of soil metabolism: biotransformations of danofloxacin. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1997, 19, 378-384.	3.0	51
10	Sordarin Oxazepine Derivatives as Potent Antifungal Agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2757-2760.	2.2	50
11	Purification, cloning, and functional expression of phenylalanine aminomutase: The first committed step in Taxol side-chain biosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 2005, 438, 1-10.	3.0	49
12	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. <i>European Journal of Pharmacology</i> , 2018, 832, 39-49.	3.5	44
13	A novel ketone derivative of artemisinin biotransformed by <i>Streptomyces griseus</i> ATCC 13273. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1909-1912.	2.2	41
14	Discovery of an Orally Selective Inhibitor of Signal Transducer and Activator of Transcription 3 Using Advanced Multiple Ligand Simultaneous Docking. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2718-2731.	6.4	41
15	Enzymatic Preparation of an (<i>S</i>)-Amino Acid from a Racemic Amino Acid. <i>Organic Process Research and Development</i> , 2011, 15, 241-248.	2.7	40
16	Integration of a Decrescent Transcriptome and Metabolomics Dataset of <i>Peucedanum praeruptorum</i> to Investigate the CYP450 and MDR Genes Involved in Coumarins Biosynthesis and Transport. <i>Frontiers in Plant Science</i> , 2015, 6, 996.	3.6	39
17	Dicarbonyl reduction by single enzyme for the preparation of chiral diols. <i>Chemical Society Reviews</i> , 2012, 41, 1742.	38.1	38
18	Effects of Antiglaucoma Drugs on Ocular Blood Flow in Ocular Hypertensive Rabbits. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1993, 9, 13-24.	1.4	37

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19	Spirotrichilins A and B: Two Rearranged Spirocyclic Limonoids from <i>Trichilia connaroides</i> . <i>Organic Letters</i> , 2016, 18, 1924-1927.	4.6	37
20	Selection of Reference Genes for Gene Expression Normalization in <i>Peucedanum praeruptorum</i> Dunn under Abiotic Stresses, Hormone Treatments and Different Tissues. <i>PLoS ONE</i> , 2016, 11, e0152356.	2.5	37
21	Multiple Oxidative Routes towards the Maturation of Nosiheptide. <i>ChemBioChem</i> , 2013, 14, 1544-1547.	2.6	36
22	Involucrastones A-C: Unprecedented Sesquiterpene Dimers Containing Multiple Contiguous Quaternary Carbons from <i>Stahlianthus involucratus</i> . <i>Chemistry - A European Journal</i> , 2015, 21, 13206-13209.	3.3	36
23	Correlation between Intracellular Cofactor Concentrations and Biocatalytic Efficiency: Coexpression of Diketoreductase and Glucose Dehydrogenase for the Preparation of Chiral Diol for Statin Drugs. <i>ACS Catalysis</i> , 2011, 1, 1661-1664.	11.2	35
24	Dehydrogenases/Reductases for the Synthesis of Chiral Pharmaceutical Intermediates. <i>Current Organic Chemistry</i> , 2010, 14, 1447-1460.	1.6	34
25	Isolation and biomimetic synthesis of (±)-calliviminones A and B, two novel Diels-Alder adducts, from <i>Callistemon viminalis</i> . <i>Tetrahedron Letters</i> , 2015, 56, 229-232.	1.4	34
26	Effects of Dopamine Agonist, Bromocriptine, and Some Dopamine Antagonists on Ocular Blood Flow. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1992, 8, 285-294.	1.4	33
27	Ribosomal protein L10 in mitochondria serves as a regulator for ROS level in pancreatic cancer cells. <i>Redox Biology</i> , 2018, 19, 158-165.	9.0	32
28	Enantioselective synthesis of ethyl (S)-2-hydroxy-4-phenylbutyrate by recombinant diketoreductase. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2504-2509.	1.8	30
29	Stereoselective introduction of two chiral centers by a single diketoreductase: an efficient biocatalytic route for the synthesis of statin side chains. <i>Amino Acids</i> , 2010, 39, 305-308.	2.7	29
30	Preparation of ethyl 3R,5S-6-(benzyloxy)-3,5-dihydroxy-hexanoate by recombinant diketoreductase in a biphasic system. <i>Bioresource Technology</i> , 2011, 102, 3649-3652.	9.6	25
31	Discovery of a small molecule targeting SET-PP2A interaction to overcome BCR-ABL T315I mutation of chronic myeloid leukemia. <i>Oncotarget</i> , 2015, 6, 12128-12140.	1.8	25
32	Cloning, expression, and characterization of a novel diketoreductase from <i>Acinetobacter baylyi</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2009, 41, 163-170.	2.0	24
33	Toosendanin induces apoptosis through suppression of JNK signaling pathway in HL-60 cells. <i>Toxicology in Vitro</i> , 2013, 27, 232-238.	2.4	23
34	Highly specific quantification of microRNA by coupling probe-rolling circle amplification and Förster resonance energy transfer. <i>Analytical Biochemistry</i> , 2016, 502, 16-23.	2.4	23
35	The C-terminal Extended Serine Residue Is Absolutely Required in Nosiheptide Maturation. <i>ChemBioChem</i> , 2013, 14, 573-576.	2.6	21
36	Enzymatic preparation of t-butyl-6-cyano-(3R, 5R)-dihydroxyhexanoate by a whole-cell biocatalyst co-expressing carbonyl reductase and glucose dehydrogenase. <i>Process Biochemistry</i> , 2015, 50, 104-110.	3.7	21

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37	Enzymatic synthesis of l-norephedrine by coupling recombinant pyruvate decarboxylase and l%-transaminase. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7399-7408.	3.6	19
38	Microparticle-Based Strategy for Controlled Release of Substrate for the Biocatalytic Preparation of <sc>l</sc>-Homophenylalanine. <i>ACS Catalysis</i> , 2014, 4, 1584-1587.	11.2	19
39	Cooperative down-regulation of ribosomal protein L10 and NF- κ B signaling pathway is responsible for the anti-proliferative effects by DMAPT in pancreatic cancer cells. <i>Oncotarget</i> , 2017, 8, 35009-35018.	1.8	19
40	The Apoptotic Effects of Toosendanin Are Partially Mediated by Activation of Deoxycytidine Kinase in HL-60 Cells. <i>PLoS ONE</i> , 2012, 7, e52536.	2.5	18
41	The "Gate Keeper" Role of Trp222 Determines the Enantioselectivity of Diketoreductase toward 2-Chloro-1-Phenylethanone. <i>PLoS ONE</i> , 2014, 9, e103792.	2.5	18
42	Novel 2-phenyloxypyrimidine derivative induces apoptosis and autophagy via inhibiting PI3K pathway and activating MAPK/ERK signaling in hepatocellular carcinoma cells. <i>Scientific Reports</i> , 2018, 8, 10923.	3.3	18
43	Rearranged limonoids with unique 6/5/6/5 tetracyclic skeletons from <i>Toona ciliata</i> and biomimetic structure divergence. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2417-2421.	4.5	16
44	Chemical genetic screening of KRAS-based synthetic lethal inhibitors for pancreatic cancer. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 2904.	3.0	15
45	Universal Method Facilitating the Amplification of Extremely GC-Rich DNA Fragments from Genomic DNA. <i>Analytical Chemistry</i> , 2010, 82, 6303-6307.	6.5	15
46	Oral Delivery of Exenatide via Microspheres Prepared by Cross-Linking of Alginate and Hyaluronate. <i>PLoS ONE</i> , 2014, 9, e86064.	2.5	15
47	Enhancement of systemic delivery of peptide drugs via ocular route with surfactants. <i>Drug Development Research</i> , 1992, 27, 177-183.	2.9	14
48	Efficient access to the non-reducing end of low molecular weight heparin for fluorescent labeling. <i>Chemical Communications</i> , 2014, 50, 7004.	4.1	14
49	Mutagenesis of precursor peptide for the generation of nosiheptide analogues. <i>RSC Advances</i> , 2016, 6, 94643-94650.	3.6	14
50	Photoswitchable Heparinase III for Enzymatic Preparation of Low Molecular Weight Heparin. <i>Organic Letters</i> , 2018, 20, 48-51.	4.6	14
51	The interaction of SET and protein phosphatase 2A as target for cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188578.	7.4	14
52	Efficient Biocatalytic Preparation of Rebaudioside KA: Highly Selective Glycosylation Coupled with UDPG Regeneration. <i>Scientific Reports</i> , 2020, 10, 6230.	3.3	13
53	Engineering of a UDP-Glycosyltransferase for the Efficient Whole-Cell Biosynthesis of Siamenoside I in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1601-1609.	5.2	13
54	Microbial generation of nocathiacin acid from nocathiacin I. <i>Bioresource Technology</i> , 2010, 101, 3617-3622.	9.6	12

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55	A simple reverse genetics approach to elucidating the biosynthetic pathway of nocathiacin. <i>Biotechnology Letters</i> , 2011, 33, 585-591.	2.2	11
56	Involudispirones A and B: Sesterterpenes Containing a Dispiro Ring from <i>Stahlianthus involucratus</i> . <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1366-1369.	2.7	11
57	Quantitative Assessment of the Absolute Purity of Thiopeptcin Reference Standard by ¹ H-NMR. <i>Analytical Sciences</i> , 2018, 34, 1093-1098.	1.6	11
58	Oligopeptides as Substrates and Inhibitors for a New Constitutive Nitric Oxide Synthase from Rat Cerebellum. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 303-308.	2.1	10
59	Identification of important residues in diketoreductase from <i>Acinetobacter baylyi</i> by molecular modeling and site-directed mutagenesis. <i>Biochimie</i> , 2012, 94, 471-478.	2.6	10
60	Enhancement of biocatalytic efficiency by increasing substrate loading: enzymatic preparation of l-homophenylalanine. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8487-8494.	3.6	10
61	Enzymatic Monoglucosylation of Rubusoside and the Structure-Sweetness/Taste Relationship of Monoglucosyl Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8702-8709.	5.2	10
62	Development of a chiral HPLC method for the separation and quantification of hydroxychloroquine enantiomers. <i>Scientific Reports</i> , 2021, 11, 8017.	3.3	10
63	Efficient amplification of genes involved in microbial secondary metabolism by an improved genome walking method. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 757-764.	3.6	9
64	Identification of truncated form of NosP as a transcription factor to regulate the biosynthesis of nosiheptide. <i>FASEB Journal</i> , 2018, 32, 453-465.	0.5	9
65	Riboflavin Is Directly Involved in N-Dealkylation Catalyzed by Bacterial Cytochrome P450 Monooxygenases. <i>ChemBioChem</i> , 2020, 21, 2297-2305.	2.6	9
66	Core-modified sordaricin derivatives: Synthesis and antifungal activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3403-3405.	2.2	8
67	Dual catalysis mode for the dicarbonyl reduction catalyzed by diketoreductase. <i>Chemical Communications</i> , 2012, 48, 11352.	4.1	8
68	Chirality plays critical roles in enhancing the aqueous solubility of nocathiacin I by block copolymer micelles. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 65, 64-71.	2.4	8
69	Identification of a heparosan heptasaccharide as an effective anti-inflammatory agent by partial desulfation of low molecular weight heparin. <i>Carbohydrate Polymers</i> , 2020, 227, 115312.	10.2	8
70	Soluble expression of recombinant human CD137 ligand in <i>Escherichia coli</i> by co-expression of chaperones. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 471-476.	3.0	7
71	Expanding the Catalytic Promiscuity of Heparinase-III from <i>Pedobacter heparinus</i> . <i>Chemistry - A European Journal</i> , 2017, 23, 2548-2551.	3.3	7
72	Bifunctional Fusion Proteins Derived from Tumstatin and 4-1BBL for Targeted Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 867-876.	4.6	7

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73	Recombinant human CD137L for cancer immunotherapy: effects of different fusions and linkers on its activity. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 489-495.	4.2	6
74	Directly utilizing an endogenous gene to dissect regulatory elements in the biosynthetic gene cluster of nosiheptide. <i>Chemical Communications</i> , 2014, 50, 10430-10433.	4.1	6
75	Selective enzymatic α -1,6- monoglucosylation of mogroside III E for the bio-creation of α -siamenoside I, a potential high-intensity sweetener. <i>Food Chemistry</i> , 2021, 359, 129938.	8.2	6
76	A Bacterial Enzyme Catalyzing Double Reduction of a β , β -Diketo Ester with Unprecedented Stereoselectivity. <i>Nature Precedings</i> , 2008, , .	0.1	5
77	A diketoreductase exhibits unique renaturation profile from thermal-induced protein unfolding. <i>Amino Acids</i> , 2010, 39, 609-613.	2.7	5
78	Genetic incorporation of d-lysine into diketoreductase in Escherichia coli cells. <i>Amino Acids</i> , 2012, 43, 2553-2559.	2.7	5
79	The importance of start codon of nosM in nosiheptide production. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 854-860.	1.3	5
80	Genetic incorporation of α -amino acids into green fluorescent protein based on polysubstrate specificity. <i>RSC Advances</i> , 2015, 5, 39580-39586.	3.6	5
81	Mutagenesis of NosM Leader Peptide Reveals Important Elements in Nosiheptide Biosynthesis. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	5
82	Efficient whole-cell biosynthesis of l-gulose by coupling mannitol-1-dehydrogenase with NADH oxidase. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109815.	3.2	5
83	Separation of structurally similar nocathiacin analogues by reversed phase chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 3038-3043.	3.7	4
84	Reprogramming the Biosynthesis of Precursor Peptide to Create a Selenazole-Containing Nosiheptide Analogue. <i>ACS Synthetic Biology</i> , 2022, 11, 85-91.	3.8	4
85	Determination of enantiomeric excess of ethyl 3,5-dihydroxy- β -benzyloxy hexanoate by chiral reverse phase high performance liquid chromatography. <i>Chirality</i> , 2008, 20, 51-53.	2.6	3
86	The catalytic characteristics of NocB in nocathiacin biosynthesis from Nocardia sp. ATCC 202099. <i>RSC Advances</i> , 2016, 6, 72399-72408.	3.6	3
87	Functional roles of Tryptophan residues in diketoreductase from Acinetobacter baylyi. <i>BMB Reports</i> , 2012, 45, 452-457.	2.4	3
88	MD2 Is a Potential Biomarker Associated with Immune Cell Infiltration in Gliomas. <i>Frontiers in Oncology</i> , 2022, 12, 854598.	2.8	3
89	Optimization of critical medium components for enhancing antibacterial thiopeptide nocathiacin I production with significantly improved quality. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 292-300.	1.3	2
90	Enzymatic hydrolyzation of mogrosides in Luo Han Guo extract by NKA-adsorbed snailase improves its sensory profile. <i>Food Chemistry</i> , 2022, 390, 133205.	8.2	2

#	ARTICLE	IF	CITATIONS
91	Editorial [Hot topic: Biotransformation in Drug Discovery and Development (Guest Editor: Yijun) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	1
92	Efficacy, Pharmacokinetics, Biodistribution and Excretion of a Novel Acylated Long-Acting Insulin Analogue INSO61 in Rats. Drug Design, Development and Therapy, 2021, Volume 15, 3487-3498.	4.3	1
93	Olympics may have a negative impact on China's research. Nature, 2008, 454, 1049-1049.	27.8	0
94	PhD: routine technical work of sequencing is no substitute. Nature, 2010, 464, 831-831.	27.8	0
95	A Bacterial Enzyme Catalyzing Double Reduction of a β^2,β^1 -Diketo Ester with Unprecedented Stereoselectivity. Nature Precedings, 2010, , .	0.1	0
96	Simple reverse genetics approach to elucidating the biosynthetic pathway of complex thiopeptide nocathiacin. Nature Precedings, 2010, , .	0.1	0
97	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
98	A Bacterial Enzyme Catalyzing Double Reduction of a β^2,β^1 -Diketo Ester with Unprecedented Stereoselectivity. Nature Precedings, 0, , .	0.1	0