

Helen C Hailes

List of Publications by Year in descending order

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158
papers

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citations

108046

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176
all docs

176
docs citations

176
times ranked

4703
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-microjet photoelectron spectroscopy of the green fluorescent protein chromophore. <i>Nature Communications</i> , 2022, 13, 507.	5.8	10
2	Chemoenzymatic approaches to plant natural product inspired compounds. <i>Natural Product Reports</i> , 2022, 39, 1375-1382.	5.2	12
3	Norcoclaurine Synthase-Mediated Stereoselective Synthesis of 1,1'-Disubstituted, Spiro- and Bis-Tetrahydroisoquinoline Alkaloids. <i>ACS Catalysis</i> , 2021, 11, 131-138.	5.5	14
4	A bicyclic <i>S</i> -adenosylmethionine regeneration system applicable with different nucleosides or nucleotides as cofactor building blocks. <i>RSC Chemical Biology</i> , 2021, 2, 883-891.	2.0	24
5	Characterisation of a hyperthermophilic transketolase from <i>Thermotoga maritima</i> DSM3109 as a biocatalyst for 7-keto-octuronic acid synthesis. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6493-6500.	1.5	8
6	A photoelectron imaging study of the deprotonated GFP chromophore anion and RNA fluorescent tags. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19911-19922.	1.3	3
7	Regioselective Dehydration of Sugar Thioacetals under Mild Conditions. <i>Organic Letters</i> , 2021, 23, 2488-2492.	2.4	3
8	Discovery of New Carbonyl Reductases Using Functional Metagenomics and Applications in Biocatalysis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3044-3052.	2.1	2
9	Multienzyme One-Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18673-18679.	7.2	23
10	Multienzyme One-Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. <i>Angewandte Chemie</i> , 2021, 133, 18821-18827.	1.6	7
11	Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. <i>Organic Letters</i> , 2021, 23, 6342-6347.	2.4	15
12	Direct Conversion of Hydrazones to Amines using Transaminases. <i>ChemCatChem</i> , 2021, 13, 4520-4523.	1.8	3
13	Drug delivery, biodistribution and anti-EGFR activity: theragnostic nanoparticles for simultaneous <i>in vivo</i> delivery of tyrosine kinase inhibitors and kinase activity biosensors. <i>Nanoscale</i> , 2021, 13, 18520-18535.	2.8	6
14	Engineering transketolase to accept both unnatural donor and acceptor substrates and produce β -hydroxyketones. <i>FEBS Journal</i> , 2020, 287, 1758-1776.	2.2	16
15	Multi-modal imaging probe for assessing the efficiency of stem cell delivery to orthotopic breast tumours. <i>Nanoscale</i> , 2020, 12, 16570-16585.	2.8	14
16	Carprofen elicits pleiotropic mechanisms of bactericidal action with the potential to reverse antimicrobial drug resistance in tuberculosis. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 3194-3201.	1.3	16
17	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcoclaurine synthases. <i>Communications Chemistry</i> , 2020, 3, .	2.0	10
18	pET expression vector customized for efficient seamless cloning. <i>BioTechniques</i> , 2020, 69, 384-387.	0.8	6

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19	Identification and catalytic properties of new epoxide hydrolases from the genomic data of soil bacteria. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109592.	1.6	9
20	Pictetâ€“Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 69-76.	2.8	66
21	Effect of Liposomal Encapsulation on the Chemical Exchange Properties of Diamagnetic CEST Agents. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7545-7557.	1.2	6
22	Acceptance and Kinetic Resolution of Î±-Methyl-Substituted Aldehydes by Norcoclaurine Synthases. <i>ACS Catalysis</i> , 2019, 9, 9640-9649.	5.5	30
23	Trichain cationic lipids: the potential of their lipoplexes for gene delivery. <i>Biomaterials Science</i> , 2019, 7, 149-158.	2.6	18
24	The identification and use of robust transaminases from a domestic drain metagenome. <i>Green Chemistry</i> , 2019, 21, 75-86.	4.6	47
25	The discovery and enhanced properties of trichain lipids in lipopolyplex gene delivery systems. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 945-957.	1.5	8
26	Aminopolyols from Carbohydrates: Amination of Sugars and Sugarâ€“Derived Tetrahydrofurans with Transaminases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3854-3858.	7.2	23
27	Aminopolyols from Carbohydrates: Amination of Sugars and Sugarâ€“Derived Tetrahydrofurans with Transaminases. <i>Angewandte Chemie</i> , 2019, 131, 3894-3898.	1.6	2
28	Design and Use of de novo Cascades for the Biosynthesis of New Benzyloquinoline Alkaloids. <i>Angewandte Chemie</i> , 2019, 131, 10226-10231.	1.6	6
29	Catalytic direct amidations in <i>tert</i> -butyl acetate using B(OCH ₂ CF ₃) ₃ . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6465-6469.	1.5	26
30	Biomimetic Phosphate-Catalyzed Pictetâ€“Spengler Reaction for the Synthesis of 1,1â€“Disubstituted and Spiro-Tetrahydroisoquinoline Alkaloids. <i>Journal of Organic Chemistry</i> , 2019, 84, 7702-7710.	1.7	13
31	Design and Use of de novo Cascades for the Biosynthesis of New Benzyloquinoline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10120-10125.	7.2	34
32	Functionalised tetrahydrofuran fragments from carbohydrates or sugar beet pulp biomass. <i>Green Chemistry</i> , 2019, 21, 2035-2042.	4.6	9
33	Metagenomic ene-reductases for the bioreduction of sterically challenging enones. <i>RSC Advances</i> , 2019, 9, 36608-36614.	1.7	13
34	One-pot chemoenzymatic synthesis of trolline and tetrahydroisoquinoline analogues. <i>Chemical Communications</i> , 2018, 54, 1323-1326.	2.2	36
35	Enzymatic synthesis of chiral aminoâ€“alcohols by coupling transketolase and transaminaseâ€“catalyzed reactions in a cascading continuousâ€“flow microreactor system. <i>Biotechnology and Bioengineering</i> , 2018, 115, 586-596.	1.7	41
36	Library of Norcoclaurine Synthases and Their Immobilization for Biocatalytic Transformations. <i>Biotechnology Journal</i> , 2018, 13, e1700542.	1.8	17

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37	Development of lipopolyplexes for gene delivery: A comparison of the effects of differing modes of targeting peptide display on the structure and transfection activities of lipopolyplexes. <i>Journal of Peptide Science</i> , 2018, 24, e3131.	0.8	11
38	One-pot, two-step transaminase and transketolase synthesis of l-gluco-heptulose from l-arabinose. <i>Enzyme and Microbial Technology</i> , 2018, 116, 16-22.	1.6	22
39	Data on a thermostable enzymatic one-pot reaction for the production of a high-value compound from l-arabinose. <i>Data in Brief</i> , 2018, 19, 1341-1354.	0.5	1
40	Development of a microwave-assisted sustainable conversion of furfural hydrazones to functionalised phthalimides in ionic liquids. <i>RSC Advances</i> , 2018, 8, 22617-22624.	1.7	12
41	The Effect of Conjugation on the Competition between Internal Conversion and Electron Detachment: A Comparison between Green Fluorescent and Red Kaede Protein Chromophores. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 765-771.	2.1	17
42	A metagenomics approach for new biocatalyst discovery: application to transaminases and the synthesis of allylic amines. <i>Green Chemistry</i> , 2017, 19, 1134-1143.	4.6	34
43	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. <i>Chemical Science</i> , 2017, 8, 3154-3163.	3.7	38
44	An integrated biorefinery concept for conversion of sugar beet pulp into value-added chemicals and pharmaceutical intermediates. <i>Faraday Discussions</i> , 2017, 202, 415-431.	1.6	41
45	Tunable Semiconducting Polymer Nanoparticles with INDT-Based Conjugated Polymers for Photoacoustic Molecular Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1734-1740.	1.8	26
46	Enzyme catalysed Pictet-Spengler formation of chiral 1,1 TM -disubstituted- and spiro-tetrahydroisoquinolines. <i>Nature Communications</i> , 2017, 8, 14883.	5.8	75
47	Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277.	1.2	40
48	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12503-12507.	7.2	85
49	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. <i>Angewandte Chemie</i> , 2017, 129, 12677-12681.	1.6	21
50	ortho and para chromophores of green fluorescent protein: controlling electron emission and internal conversion. <i>Chemical Science</i> , 2017, 8, 1621-1630.	3.7	24
51	Furfurylamines from biomass: transaminase catalysed upgrading of furfurals. <i>Green Chemistry</i> , 2017, 19, 397-404.	4.6	94
52	One-Pot Phosphate-Mediated Synthesis of Novel 1,3,5-Trisubstituted Pyridinium Salts: A New Family of <i>S. aureus</i> Inhibitors. <i>Molecules</i> , 2017, 22, 626.	1.7	5
53	Preparation of 5-Hydroxymethylfurfural from Glucose and Fructose in Ionic Liquids by Reactive Vacuum Distillation Over a Solid Catalyst. <i>Current Organic Synthesis</i> , 2017, 14, 596-603.	0.7	13
54	Metagenome Mining: A Sequence Directed Strategy for the Retrieval of Enzymes for Biocatalysis. <i>ChemistrySelect</i> , 2016, 1, 2217-2220.	0.7	16

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55	Strategies for synthesis of epoxy resins from oleic acid derived from food wastes. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3159-3170.	2.5	5
56	Structural Analysis of an Evolved Transketolase Reveals Divergent Binding Modes. <i>Scientific Reports</i> , 2016, 6, 35716.	1.6	16
57	Transketolase catalysed upgrading of <i>D</i> -arabinose: the one-step stereoselective synthesis of <i>D</i> -gluco-heptulose. <i>Green Chemistry</i> , 2016, 18, 3158-3165.	4.6	35
58	Delivery of siRNA using ternary complexes containing branched cationic peptides: the role of peptide sequence, branching and targeting. <i>Molecular BioSystems</i> , 2016, 12, 934-951.	2.9	14
59	Chemical cascades in water for the synthesis of functionalized aromatics from furfurals. <i>Green Chemistry</i> , 2016, 18, 1855-1858.	4.6	45
60	Sustainable Synthesis of Chiral Tetrahydrofurans through the Selective Dehydration of Pentoses. <i>Chemistry - A European Journal</i> , 2015, 21, 15947-15950.	1.7	14
61	Irreversible <i>endo</i> -selective Diels-Alder Reactions of Substituted Alkoxyfurans: A General Synthesis of <i>endo</i> -Cantharimides. <i>Chemistry - A European Journal</i> , 2015, 21, 6107-6114.	1.7	27
62	Second generation engineering of transketolase for polar aromatic aldehyde substrates. <i>Enzyme and Microbial Technology</i> , 2015, 71, 45-52.	1.6	28
63	One-pot triangular chemoenzymatic cascades for the syntheses of chiral alkaloids from dopamine. <i>Green Chemistry</i> , 2015, 17, 852-855.	4.6	70
64	α -Transaminases for the amination of functionalised cyclic ketones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8843-8851.	1.5	30
65	Tetrahydroisoquinolines affect the whole-cell phenotype of <i>Mycobacterium tuberculosis</i> by inhibiting the ATP-dependent MurE ligase. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1691-1703.	1.3	24
66	Single active-site mutants are sufficient to enhance serine:pyruvate α -transaminase activity in an α -transaminase. <i>FEBS Journal</i> , 2015, 282, 2512-2526.	2.2	23
67	Dopamine-first mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. <i>FEBS Journal</i> , 2015, 282, 1137-1151.	2.2	60
68	Multi-step biocatalytic strategies for chiral amino alcohol synthesis. <i>Enzyme and Microbial Technology</i> , 2015, 81, 23-30.	1.6	36
69	Modelling and optimisation of the one-pot, multi-enzymatic synthesis of chiral amino-alcohols based on microscale kinetic parameter determination. <i>Chemical Engineering Science</i> , 2015, 122, 360-372.	1.9	37
70	The substrate specificity, enantioselectivity and structure of the <i>R</i> -selective amine:pyruvate transaminase from <i>Nectria haematococca</i> . <i>FEBS Journal</i> , 2014, 281, 2240-2253.	2.2	60
71	Gold catalysed synthesis of 3-alkoxyfurans at room temperature. <i>Chemical Communications</i> , 2014, 50, 1302-1304.	2.2	31
72	Competition between photodetachment and autodetachment of the π state of the green fluorescent protein chromophore anion. <i>Journal of Chemical Physics</i> , 2014, 140, 205103.	1.2	21

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73	Long-term stabilization of reflective foams in sea water. RSC Advances, 2014, 4, 53028-53036.	1.7	14
74	Synthesis of pharmaceutically relevant 17- β -amino steroids using an α -transaminase. Chemical Communications, 2014, 50, 6098-6100.	2.2	36
75	Resonantly Enhanced Multiphoton Ionization Spectrum of the Neutral Green Fluorescent Protein Chromophore. Journal of Physical Chemistry Letters, 2014, 5, 3588-3592.	2.1	18
76	Efficient 2-step biocatalytic strategies for the synthesis of all nor(pseudo)ephedrine isomers. Green Chemistry, 2014, 16, 3341-3348.	4.6	66
77	Two Steps in One Pot: Enzyme Cascade for the Synthesis of Nor(pseudo)ephedrine from Inexpensive Starting Materials. Angewandte Chemie - International Edition, 2013, 52, 6772-6775.	7.2	157
78	Multifunctional receptor-targeted nanocomplexes for the delivery of therapeutic nucleic acids to the Brain. Biomaterials, 2013, 34, 9190-9200.	5.7	49
79	Gene Delivery Using Ternary Lipopolyplexes Incorporating Branched Cationic Peptides: The Role of Peptide Sequence and Branching. Molecular Pharmaceutics, 2013, 10, 127-141.	2.3	29
80	Incorporation of paramagnetic, fluorescent and PET/SPECT contrast agents into liposomes for multimodal imaging. Biomaterials, 2013, 34, 1179-1192.	5.7	69
81	Engineering stereoselectivity of ThDP-dependent enzymes. FEBS Journal, 2013, 280, 6374-6394.	2.2	72
82	Highly Regioselective Synthesis of Substituted Isoindolinones <i>via</i> Ruthenium-Catalyzed Alkyne Cyclotrimerizations. Advanced Synthesis and Catalysis, 2013, 355, 2353-2360.	2.1	29
83	Convection-Enhanced Delivery of Neprilysin: A Novel Amyloid- β -Degrading Therapeutic Strategy. Journal of Alzheimer's Disease, 2012, 32, 43-56.	1.2	39
84	Rational substrate and enzyme engineering of transketolase for aromatics. Organic and Biomolecular Chemistry, 2012, 10, 9021.	1.5	35
85	The Catalytic Potential of <i>Coptis japonica</i> NCS2 Revealed: Development and Utilisation of a Fluorescamine-Based Assay. Advanced Synthesis and Catalysis, 2012, 354, 2997-3008.	2.1	70
86	Directed evolution to re-adapt a co-evolved network within an enzyme. Journal of Biotechnology, 2012, 157, 237-245.	1.9	27
87	TTC-based screening assay for α -transaminases: A rapid method to detect reduction of 2-hydroxy ketones. Journal of Biotechnology, 2012, 159, 188-194.	1.9	29
88	Investigating the reaction mechanism and organocatalytic synthesis of β,β -dihydroxy ketones. Organic and Biomolecular Chemistry, 2012, 10, 2621.	1.5	7
89	Multifunctional receptor-targeted nanocomplexes for magnetic resonance imaging and transfection of tumours. Biomaterials, 2012, 33, 7241-7250.	5.7	25
90	An automated microscale platform for evaluation and optimization of oxidative bioconversion processes. Biotechnology Progress, 2012, 28, 392-405.	1.3	9

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91	Modular microfluidic reactor and inline filtration system for the biocatalytic synthesis of chiral metabolites. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 1-8.	1.8	37
92	Quadruple hydrogen bonded cytosine modules: N-1 functionalised arrays. <i>New Journal of Chemistry</i> , 2011, 35, 1522.	1.4	10
93	Lipid chain geometry of C14 glycerol-based lipids: effect on lipoplex structure and transfection. <i>Molecular BioSystems</i> , 2011, 7, 422-436.	2.9	8
94	Phosphate mediated biomimetic synthesis of tetrahydroisoquinoline alkaloids. <i>Chemical Communications</i> , 2011, 47, 3242.	2.2	84
95	Lipopolyplex Ternary Delivery Systems Incorporating C14 Glycerol-Based Lipids. <i>Molecular Pharmaceutics</i> , 2011, 8, 1831-1847.	2.3	15
96	Integrin-targeted nanocomplexes for tumour specific delivery and therapy by systemic administration. <i>Biomaterials</i> , 2011, 32, 1370-1376.	5.7	53
97	Synthesis and in vivo biological activity of large-ringed calixarenes against <i>Mycobacterium tuberculosis</i> . <i>Tetrahedron</i> , 2011, 67, 373-382.	1.0	18
98	A toolbox approach for the rapid evaluation of multi-step enzymatic syntheses comprising a mix and match <i>E. coli</i> expression system with microscale experimentation. <i>Biocatalysis and Biotransformation</i> , 2011, 29, 192-203.	1.1	18
99	Nebulisation of Receptor-Targeted Nanocomplexes for Gene Delivery to the Airway Epithelium. <i>PLoS ONE</i> , 2011, 6, e26768.	1.1	35
100	Screening of polymeric supports and enzymes for the development of an endo enzyme cleavable linker. <i>Tetrahedron Letters</i> , 2010, 51, 2720-2723.	0.7	2
101	Development of chemical probes: Toward the mode of action of a methylene-linked di(aryl acetate) E1. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4917-4927.	1.4	1
102	Tumor-specific gene transfer with receptor-mediated nanocomplexes modified by polyethylene glycol shielding and endosomally cleavable lipid and peptide linkers. <i>FASEB Journal</i> , 2010, 24, 2301-2313.	0.2	52
103	A Multidisciplinary Approach Toward the Rapid and Preparative-Scale Biocatalytic Synthesis of Chiral Amino Alcohols: A Concise Transketolase-Transaminase-Mediated Synthesis of (2 <i>S</i> ,3 <i>S</i>)-2-Aminopentane-1,3-diol. <i>Organic Process Research and Development</i> , 2010, 14, 99-107.	1.3	80
104	1,1-Dihydroxyketone formation using aromatic and heteroaromatic aldehydes with evolved transketolase enzymes. <i>Chemical Communications</i> , 2010, 46, 7608.	2.2	45
105	Non-hydroxylated aldehydes with evolved transketolase enzymes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1301.	1.5	68
106	Cytosine modules in quadruple hydrogen bonded arrays. <i>New Journal of Chemistry</i> , 2010, 34, 2634.	1.4	26
107	Stereoselectivity of an α -transaminase-mediated amination of 1,3-dihydroxy-1-phenylpropane-2-one. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 570-574.	1.8	45
108	The novel molecule bis(2-chloroethyl)acetoxycarbonyl bis(2-chloroethyl)phenyl acetate inhibits phosphoinositide 3-kinase/Akt/mammalian target of rapamycin signalling through JNK activation in cancer cells. <i>FEBS Journal</i> , 2009, 276, 4037-4050.	2.2	6

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109	Application of a modified Mosher's method for the determination of enantiomeric ratio and absolute configuration at C-3 of chiral 1,3-dihydroxy ketones. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1828-1831.	1.8	17
110	Stabilized Integrin-Targeting Ternary LPD (Lipopolyplex) Vectors for Gene Delivery Designed To Disassemble Within the Target Cell. <i>Bioconjugate Chemistry</i> , 2009, 20, 518-532.	1.8	39
111	Insights into the PI3-K-PKB-mTOR signalling pathway from small molecules. <i>Journal of Chemical Biology</i> , 2008, 1, 49-62.	2.2	28
112	Synthesis of Bifunctional Integrin-Binding Peptides Containing PEG Spacers of Defined Length for Non-Viral Gene Delivery. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2900-2914.	1.2	13
113	Surface plasmon resonance-enhanced fluorescence implementation of a single-step competition assay: Demonstration of fatty acid measurement using an anti-fatty acid monoclonal antibody and a Cy5-labeled fatty acid. <i>Analytical Biochemistry</i> , 2008, 377, 243-250.	1.1	5
114	Mono- and dicationic short PEG and methylene dioxyalkylglycerols for use in synthetic gene delivery systems. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2554.	1.5	20
115	Directed evolution of transketolase substrate specificity towards an aliphatic aldehyde. <i>Journal of Biotechnology</i> , 2008, 134, 240-245.	1.9	69
116	Acid cleavable PEG-lipids for applications in a ternary gene delivery vector. <i>Molecular BioSystems</i> , 2008, 4, 532.	2.9	27
117	A Receptor-targeted Nanocomplex Vector System Optimized for Respiratory Gene Transfer. <i>Molecular Therapy</i> , 2008, 16, 907-915.	3.7	59
118	Receptor-targeted Nanocomplexes optimized for Gene Transfer to Primary Vascular Cells and Explant Cultures of Rabbit Aorta. <i>Molecular Therapy</i> , 2008, 16, 508-515.	3.7	23
119	Accelerating biocatalytic process design: Integrating new tools from biology, chemistry and engineering. <i>Journal of Biotechnology</i> , 2007, 131, S78.	1.9	0
120	Directed evolution of transketolase activity on non-phosphorylated substrates. <i>Journal of Biotechnology</i> , 2007, 131, 425-432.	1.9	74
121	Biophysical Characterization of an Integrin-Targeted Lipopolyplex Gene Delivery Vector. <i>Biochemistry</i> , 2007, 46, 12930-12944.	1.2	33
122	Applications of Tailored Ferrocenyl Molecules as Electrochemical Probes of Biochemical Interactions. <i>Bioconjugate Chemistry</i> , 2007, 18, 199-208.	1.8	7
123	Targeting Lipopolyplexes Using Bifunctional Peptides Incorporating Hydrophobic Spacer Amino Acids: Synthesis, Transfection, and Biophysical Studies. <i>Bioconjugate Chemistry</i> , 2007, 18, 1800-1810.	1.8	14
124	Reaction Solvent Selection: The Potential of Water as a Solvent for Organic Transformations. <i>Organic Process Research and Development</i> , 2007, 11, 114-120.	1.3	267
125	One-pot synthesis of amino-alcohols using a de-novo transketolase and β^2 -alanine: Pyruvate transaminase pathway in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2007, 96, 559-569.	1.7	132
126	Integration of biocatalytic conversions into chemical syntheses. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 1063-1066.	1.6	40

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127	Substrate spectrum of α -transaminase from <i>Chromobacterium violaceum</i> DSM30191 and its potential for biocatalysis. <i>Enzyme and Microbial Technology</i> , 2007, 41, 628-637.	1.6	277
128	Highly stable cyclic dimers based on non-covalent interactions. <i>Chemical Communications</i> , 2006, , 2173.	2.2	24
129	Design and Synthesis Of Ferrocene Probe Molecules for Detection by Electrochemical Methods. <i>Bioconjugate Chemistry</i> , 2006, 17, 1256-1264.	1.8	20
130	Analysis and Optimization of the Cationic Lipid Component of a Lipid/Peptide Vector Formulation for Enhanced Transfection In Vitro and In Vivo. <i>Journal of Liposome Research</i> , 2006, 16, 373-389.	1.5	22
131	Quadruply Hydrogen Bonded Cytosine Modules for Supramolecular Applications. <i>Journal of the American Chemical Society</i> , 2006, 128, 6544-6545.	6.6	93
132	A colorimetric assay for screening transketolase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7062-7065.	1.4	51
133	The First Mimetic of the Transketolase Reaction. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1121-1123.	1.2	30
134	Oxetane synthesis via cyclisation of aryl sulfonate esters on polystyrene and PEG polymeric supports. <i>Tetrahedron Letters</i> , 2005, 46, 643-645.	0.7	17
135	Baylis-Hillman reactions in aqueous acidic media. <i>Tetrahedron Letters</i> , 2005, 46, 8125-8127.	0.7	19
136	Directed evolution of biocatalytic processes. <i>New Biotechnology</i> , 2005, 22, 11-19.	2.7	107
137	The fractal structure of polycation-DNA complexes. <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 127.	1.4	8
138	Nitrile Oxide 1,3-Dipolar Cycloadditions in Water: Novel Isoxazoline and Cyclophane Synthesis. <i>Synthesis</i> , 2005, 2005, 3423-3427.	1.2	4
139	Ureidopyrimidinones Incorporating a Functionalizable p-Aminophenyl Electron-Donating Group at C-6. <i>Journal of Organic Chemistry</i> , 2005, 70, 2701-2707.	1.7	23
140	Targeted Gene Delivery to Human Airway Epithelial Cells with Synthetic Vectors Incorporating Novel Targeting Peptides Selected by Phage Display. <i>Journal of Drug Targeting</i> , 2004, 12, 185-193.	2.1	49
141	Antimycobacterial Calixarenes Enhance Innate Defense Mechanisms in Murine Macrophages and Induce Control of <i>Mycobacterium tuberculosis</i> Infection in Mice. <i>Infection and Immunity</i> , 2004, 72, 6318-6323.	1.0	48
142	Asymmetric Synthesis of Dialkyl-3-alkylammonium Cationic Lipids. <i>Journal of Organic Chemistry</i> , 2004, 69, 980-983.	1.7	21
143	Synthesis, Crystal Structures, and Modifications of Novel Framework Gallium Diphosphonates. <i>Chemistry of Materials</i> , 2004, 16, 3756-3766.	3.2	37
144	The Synthesis of 2-Alkylated Cyclopentene-1,3-diones: Novel Compounds with Olfactory Properties. <i>Synthetic Communications</i> , 2003, 33, 29-41.	1.1	11

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