

# Tsunehiko Higuchi

## List of Publications by Year in descending order

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125  
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5,747  
citations

94269

37  
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141  
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141  
docs citations

141  
times ranked

5696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Indicators for Imaging Nitric Oxide Production. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3209-3212.	7.2	514
2	Rational Design of Fluorescein-Based Fluorescence Probes. Mechanism-Based Design of a Maximum Fluorescence Probe for Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2001, 123, 2530-2536.	6.6	369
3	Highly Zinc-Selective Fluorescent Sensor Molecules Suitable for Biological Applications. <i>Journal of the American Chemical Society</i> , 2000, 122, 12399-12400.	6.6	331
4	Bioimaging of Nitric Oxide with Fluorescent Indicators Based on the Rhodamine Chromophore. <i>Analytical Chemistry</i> , 2001, 73, 1967-1973.	3.2	283
5	Novel Zinc Fluorescent Probes Excitable with Visible Light for Biological Applications. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1052-1054.	7.2	200
6	Direct evidence of NO production in rat hippocampus and cortex using a new fluorescent indicator. <i>NeuroReport</i> , 1998, 9, 3345-3348.	0.6	194
7	Structurally Designed <i>trans</i> -2-Phenylcyclopropylamine Derivatives Potently Inhibit Histone Demethylase LSD1/KDM1,. <i>Biochemistry</i> , 2010, 49, 6494-6503.	1.2	163
8	Novel Fluorescent Probes for Singlet Oxygen. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2899-2901.	7.2	159
9	Highly efficient oxidation of alkanes and alkyl alcohols with heteroaromatic N-oxides catalyzed by ruthenium porphyrins. <i>Journal of the American Chemical Society</i> , 1992, 114, 10660-10662.	6.6	141
10	Novel Iron Porphyrin-Alkanethiolate Complex with Intramolecular NH $\cdots$ S Hydrogen Bond: Synthesis, Spectroscopy, and Reactivity. <i>Journal of the American Chemical Society</i> , 1999, 121, 11571-11572.	6.6	118
11	Protein Kinase A Regulates Sexual Development and Gluconeogenesis through Phosphorylation of the Zn Finger Transcriptional Activator Rst2p in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2002, 22, 1-11.	1.1	117
12	Synthesis of a highly stable iron porphyrin coordinated by alkylthiolate anion as a model for cytochrome P-450 and its catalytic activity in oxygen-oxygen bond cleavage. <i>Journal of the American Chemical Society</i> , 1990, 112, 7051-7053.	6.6	115
13	Imaging of caspase-3 activation in HeLa cells stimulated with etoposide using a novel fluorescent probe. <i>FEBS Letters</i> , 1999, 453, 356-360.	1.3	108
14	Highly efficient epoxidation of olefins with pyridine n-oxides catalyzed by ruthenium porphyrins. <i>Tetrahedron Letters</i> , 1989, 30, 6545-6548.	0.7	101
15	Heterolytic oxygen-oxygen bond cleavage of peroxy acid and effective alkane hydroxylation in hydrophobic solvent mediated by an iron porphyrin coordinated by thiolate anion as a model for cytochrome P-450. <i>Journal of the American Chemical Society</i> , 1993, 115, 7551-7552.	6.6	91
16	Unique Oxidation Reaction of Amides with Pyridine-N-oxide Catalyzed by Ruthenium Porphyrin: Direct Oxidative Conversion of N-Acyl-L-proline to N-Acyl-L-glutamate. <i>Journal of the American Chemical Society</i> , 2005, 127, 834-835.	6.6	87
17	Inhibition of $\beta$ -Secretase Activity by Helical $\beta$ -Peptide Foldamers. <i>Journal of the American Chemical Society</i> , 2009, 131, 7353-7359.	6.6	78
18	Pronounced Axial Thiolate Ligand Effect on the Reactivity of High-Valent Oxo-iron Porphyrin Intermediate. <i>Journal of the American Chemical Society</i> , 1997, 119, 12008-12009.	6.6	76

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19	Multiple Active Intermediates in Oxidation Reaction Catalyzed by Synthetic Heme $\alpha$ -Thiolate Complex Relevant to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2002, 124, 9622-9628.	6.6	76
20	Selective quinone formation by oxidation of aromatics with heteroaromatic N-oxides catalyzed by ruthenium porphyrins.. <i>Journal of the American Chemical Society</i> , 1995, 117, 8879-8880.	6.6	75
21	Identification of a novel sugar, 4-amino-4,6-dideoxy-2-O-methylmannose in the lipopolysaccharide of <i>Vibrio cholerae</i> O1 serotype Ogawa. <i>Carbohydrate Research</i> , 1994, 256, 113-128.	1.1	74
22	Intramolecular Fluorescence Resonance Energy Transfer System with Coumarin Donor Included in $\beta$ -Cyclodextrin. <i>Analytical Chemistry</i> , 2001, 73, 939-942.	3.2	72
23	Fluorescence switching by O-dearylation of 7-aryloxy coumarins. Development of novel fluorescence probes to detect reactive oxygen species with high selectivity. <i>Perkin Transactions II RSC</i> , 2000, , 2453-2457.	1.1	71
24	The Highly Efficient Oxidation of Olefins, Alcohols, Sulfides and Alkanes with Heteroaromatic N-Oxides Catalyzed by Ruthenium Porphyrins. <i>Heterocycles</i> , 1995, 40, 867.	0.4	67
25	Highly efficient oxygen transfer reactions from various heteroaromatic n-oxides to olefins, alcohols, and sulfides catalyzed by ruthenium porphyrin. <i>Tetrahedron Letters</i> , 1991, 32, 7435-7438.	0.7	61
26	The selectivities and the mechanism on highly efficient epoxidation of olefins with 2,6-disubstituted pyridine N-oxides catalyzed by ruthenium porphyrin. <i>Tetrahedron Letters</i> , 1992, 33, 2521-2524.	0.7	57
27	Remarkable axial thiolate ligand effect on the oxidation of hydrocarbons by active intermediate of iron porphyrin and cytochrome P450. <i>Journal of Inorganic Biochemistry</i> , 2000, 82, 123-125.	1.5	57
28	Mechanistic Studies on the Binding of Nitric Oxide to a Synthetic Heme $\alpha$ -Thiolate Complex Relevant to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2005, 127, 5360-5375.	6.6	57
29	Four recent studies in cytochrome P450 modelings: A stable iron porphyrin coordinated by a thiolate ligand; a robust ruthenium porphyrin-pyridine N-oxide derivatives system; polypeptide-bound iron porphyrin; application to drug metabolism studies. <i>Journal of Molecular Catalysis A</i> , 1996, 113, 403-422.	4.8	56
30	Versatile chiral synthons for vic-amino alcohols. Facile synthesis of (2S,3R)-3-hydroxyglutamic acid and (+)-statine. <i>Journal of Organic Chemistry</i> , 1988, 53, 3381-3383.	1.7	55
31	Design and Synthesis of Intramolecular Resonance-Energy Transfer Probes for Use in Ratiometric Measurements in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3438-3440.	7.2	55
32	Highly efficient oxazolone-derived reagents for beta-lactam formation from beta-amino acids. <i>Tetrahedron Letters</i> , 1988, 29, 2203-2205.	0.7	52
33	Manganese Salen Complexes with Acid $\alpha$ -Base Catalytic Auxiliary: Functional Mimetics of Catalase. <i>Inorganic Chemistry</i> , 2013, 52, 3653-3662.	1.9	51
34	First Synthetic NO $\alpha$ -Heme $\alpha$ -Thiolate Complex Relevant to Nitric Oxide Synthase and Cytochrome P450nor. <i>Journal of the American Chemical Society</i> , 2000, 122, 12059-12060.	6.6	49
35	Oxidative decarboxylation of carboxylic acids by iron porphyrin - iodosylbenzene system. <i>Tetrahedron Letters</i> , 1992, 33, 4949-4952.	0.7	48
36	Regio- and stereo-selective oxidation of steroids using 2,6-dichloropyridine N-oxide catalysed by ruthenium porphyrins. <i>Chemical Communications</i> , 1997, , 861-862.	2.2	48

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37	Fluorescent indicators for nitric oxide based on rhodamine chromophore. <i>Tetrahedron Letters</i> , 2000, 41, 69-72.	0.7	48
38	A new reagent for activating carboxyl groups: diphenyl 2-oxo-3-oxazolinyolphosphonate. <i>Tetrahedron Letters</i> , 1981, 22, 1257-1258.	0.7	39
39	Application of chemical cytochrome P-450 model systems to studies on drug metabolism—VIII. Novel metabolism of carboxylic acids via oxidative decarboxylation. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 55-65.	1.4	39
40	Identification of a Novel Aminopropyltransferase Involved in the Synthesis of Branched-Chain Polyamines in Hyperthermophiles. <i>Journal of Bacteriology</i> , 2014, 196, 1866-1876.	1.0	37
41	Improved Nitric Oxide Detection Using 2,3-Diaminonaphthalene and Its Application to the Evaluation of Novel Nitric Oxide Synthase Inhibitors.. <i>Biological and Pharmaceutical Bulletin</i> , 1998, 21, 1247-1250.	0.6	36
42	Facile synthesis of peptide-porphyrin conjugates: Towards artificial catalase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6340-6350.	1.4	36
43	Conformation and stereoselective reduction of hapten side chains in the antibody combining site. <i>Journal of the American Chemical Society</i> , 1991, 113, 9392-9394.	6.6	35
44	Activation of carboxyl groups by diphenyl 2-oxo-3-oxazolinyolphosphonate. <i>Tetrahedron</i> , 1983, 39, 3253-3260.	1.0	34
45	Enhanced catalase-like activity of manganese salen complexes in water: effect of a three-dimensionally fixed auxiliary. <i>Chemical Communications</i> , 2006, , 4958.	2.2	34
46	Synthesis and superoxide dismutase activity of novel iron complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 586-592.	0.8	33
47	Novel Probes Showing Specific Fluorescence Enhancement on Binding to a Hexahistidine Tag. <i>Chemistry - A European Journal</i> , 2008, 14, 8004-8012.	1.7	29
48	Synthesis of the Carbon Framework of Scholarisine A by Intramolecular Oxidative Coupling. <i>Chemistry - A European Journal</i> , 2013, 19, 4255-4261.	1.7	29
49	Highly selective acylation of amines and alcohols by poly(3-acyl-2-oxazolone). <i>Tetrahedron Letters</i> , 1982, 23, 1159-1160.	0.7	26
50	On-Bead Fluorescence Assay for Serine/Threonine Kinases. <i>Organic Letters</i> , 2005, 7, 5565-5568.	2.4	26
51	Extreme Rate Acceleration by Axial Thiolate Coordination on the Isomerization of Endoperoxide Catalyzed by Iron Porphyrin. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6438-6440.	7.2	26
52	Effect of Helical Conformation and Side Chain Structure on $\beta$ -Secretase Inhibition by $\beta$ -Peptide Foldamers: Insight into Substrate Recognition. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1443-1454.	2.9	24
53	Mechanistic studies of selective catechol formation from o-methoxyphenols using a copper(II)-ascorbic acid-dioxygen system. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 2165-2170.	0.9	23
54	Superoxide Dismutase Activity of Iron(II)TPEN Complex and Its Derivatives.. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 1514-1518.	0.6	23

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55	Synthesis of 5,10,15,20-Tetrakis(4-tert-butyl-2,6-dicarboxyphenyl)porphyrin: A Versatile Bis-Faced Porphyrin Synthone for D <sub>4</sub> -Symmetric Chiral Porphyrins. <i>Organic Letters</i> , 2001, 3, 1805-1807.	2.4	23
56	Nitrous oxide reduction-coupled alkene-alkene coupling catalysed by metalloporphyrins. <i>Chemical Communications</i> , 2013, 49, 8979.	2.2	23
57	3-Acyl- and 3-alkoxycarbonyl-2-oxazolones and their homopolymers as amino-protecting reagents. <i>Tetrahedron Letters</i> , 1980, 21, 3065-3066.	0.7	22
58	3-acyl-2-oxazolone-zirconium complexes as excellent reagents for highly regioselective acylation of polyalcohols. <i>Tetrahedron Letters</i> , 1985, 26, 1977-1980.	0.7	22
59	Array-based fluorescence assay for serine/threonine kinases using specific chemical reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7788-7794.	1.4	22
60	Development and crystallographic evaluation of histone H3 peptide with N-terminal serine substitution as a potent inhibitor of lysine-specific demethylase 1. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2617-2624.	1.4	22
61	Branched-Chain Polyamine Found in Hyperthermophiles Induces Unique Temperature-Dependent Structural Changes in Genome-Size DNA. <i>ChemPhysChem</i> , 2018, 19, 2299-2304.	1.0	22
62	Substrate-dependent changes of the oxidative O-dealkylation mechanism of several chemical and biological oxidizing systems. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 1169.	0.9	21
63	Selective Deoxygenation of Heteroaromatic N-Oxides with Olefins Catalyzed by Ruthenium Porphyrin.. <i>Chemical and Pharmaceutical Bulletin</i> , 1998, 46, 1656-1657.	0.6	21
64	Catalytic and asymmetric epoxidation by novel D <sub>4</sub> -symmetric chiral porphyrin derived from C <sub>2</sub> -symmetric diol. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 221-226.	4.8	21
65	A small-molecule inhibitor of SOD1-Derlin-1 interaction ameliorates pathology in an ALS mouse model. <i>Nature Communications</i> , 2018, 9, 2668.	5.8	19
66	Application of chemical P-450 model systems to studies on drug metabolism. Part X. Novel hydroxylactonization of $\beta^3, \beta^1$ - and $\beta^2, \beta^3$ -unsaturated carboxylic acids with an iron porphyrin-iodosylbenzene system. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 2309-2313.	0.9	18
67	Specific effects of antitumor active norspermidine on the structure and function of DNA. <i>Scientific Reports</i> , 2019, 9, 14971.	1.6	18
68	3-Alkoxycarbonyl-2-oxazolones and their homopolymers as highly preservable amino-protecting reagents. tert-Butoxycarbonylation and benzyloxycarbonylation of amino groups.. <i>Chemical and Pharmaceutical Bulletin</i> , 1984, 32, 2174-2181.	0.6	17
69	Effective Chiral Discrimination of Tetravalent Polyamines on the Compaction of Single DNA Molecules. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3712-3716.	7.2	17
70	Naturally occurring branched-chain polyamines induce a crosslinked meshwork structure in a giant DNA. <i>Journal of Chemical Physics</i> , 2016, 145, 235103.	1.2	17
71	Design of New Extraction Surfactants for Membrane Proteins from Peptide Gemini Surfactants. <i>Bioconjugate Chemistry</i> , 2016, 27, 2469-2479.	1.8	17
72	Activation of lysine-specific demethylase 1 inhibitor peptide by redox-controlled cleavage of a traceless linker. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1227-1234.	1.4	17

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73	3-Hydroxycoumarins: First direct preparation from coumarins using a Cu <sup>2+</sup> -ascorbic acid-O <sub>2</sub> system, and their potent bioactivities. <i>Biochemical and Biophysical Research Communications</i> , 1990, 168, 169-175.	1.0	16
74	Electronic effects on enantioselectivity in epoxidation catalyzed by D <sub>4</sub> -symmetric chiral porphyrins. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3861-3867.	1.8	16
75	Application of chemical P-450 model systems to study drug metabolism. III. Metabolism of 3-isobutyl-2-isopropylpyrazolo(1,5-a)pyridine.. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 400-403.	0.6	15
76	Photocontrol of Peptide Function: Backbone Cyclization Strategy with Photocleavable Amino Acid. <i>ChemBioChem</i> , 2011, 12, 1694-1698.	1.3	15
77	Design and synthesis of a 4-aminoquinoline-based molecular tweezer that recognizes protoporphyrin IX and iron(II) protoporphyrin IX and its application as a supramolecular photosensitizer. <i>Chemical Science</i> , 2018, 9, 7455-7467.	3.7	15
78	Evaluation of 3-substituted arginine analogs as selective inhibitors of human nitric oxide synthase isozymes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2881-2885.	1.0	14
79	A versatile strategy for the synthesis of crown ether-bearing heterocycles: Discovery of calcium-selective fluoroionophore. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7108-7115.	1.4	14
80	Dipeptides Containing L-Arginine Analogs: New Isozyme-Selective Inhibitors of Nitric Oxide Synthase.. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 936-940.	0.6	13
81	Turn-on fluorescent probe with visible light excitation for labeling of hexahistidine tagged protein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2285-2288.	1.0	13
82	Efficient oxidation of ethers with pyridine N-oxide catalyzed by ruthenium porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 411-416.	0.4	13
83	Role of Thiolate Ligand in Spin State and Redox Switching in the Cytochrome P450 Catalytic Cycle. <i>Inorganic Chemistry</i> , 2017, 56, 4245-4248.	1.9	13
84	Hydrogen sulfide bypasses the rate-limiting oxygen activation of heme oxygenase. <i>Journal of Biological Chemistry</i> , 2018, 293, 16931-16939.	1.6	13
85	Identification and quantification of p-hydroxyethylamphetamine as a novel metabolite of ethylamphetamine in rat by gas chromatography-mass spectrometry. <i>Forensic Science International</i> , 1989, 41, 83-91.	1.3	12
86	Facile preparation of unstable metabolic intermediates; Epoxide(s) of pyrazolo[1,5-a]pyridine derivatives by the cytochrome P-450 chemical model.. <i>Chemical and Pharmaceutical Bulletin</i> , 1989, 37, 1410-1412.	0.6	12
87	Spectroscopic and Mechanistic Studies on Oxidation Reactions Catalyzed by the Functional Model SR Complex for Cytochrome P450: Influence of Oxidant, Substrate, and Solvent. <i>Chemistry - A European Journal</i> , 2009, 15, 12447-12459.	1.7	12
88	Oxygen Activation by Iron(III)-Porphyrin/NaBH <sub>4</sub> /Me <sub>4</sub> NOH System as Cytochrome P-450 Model. Oxygenation of Olefin, N-Dealkylation of Tertiary Amine, Oxidation of Sulfide, and Oxidative Cleavage of Ether Bond.. <i>Chemical and Pharmaceutical Bulletin</i> , 1993, 41, 292-295.	0.6	11
89	Potent Antimalarial Activity of Two Arenes Linked with Triamine Designed To Have Multiple Interactions with Heme. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 980-985.	1.3	11
90	Structure-Based Identification of Potent Lysine-Specific Demethylase 1 Inhibitor Peptides and Temporary Cyclization to Enhance Proteolytic Stability and Cell Growth-Inhibitory Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3707-3719.	2.9	11

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91	A new thioether-ligated iron porphyrin as a model of a protonated form of P450 active site. <i>Journal of Inorganic Biochemistry</i> , 2000, 82, 127-132.	1.5	10
92	Selective inhibition of human inducible nitric oxide synthase by S -alkyl-L -isothiocitrulline-containing dipeptides. <i>British Journal of Pharmacology</i> , 2001, 132, 1876-1882.	2.7	10
93	Vibronic Coupling between Soret and Higher Energy Excited States in Iron(II) Porphyrins: Raman Excitation Profiles of A <sub>2g</sub> Modes in the Soret Region. <i>Journal of Physical Chemistry A</i> , 2004, 108, 568-577.	1.1	10
94	Design, synthesis, and evaluation of new type of l-amino acids containing pyridine moiety as nitric oxide synthase inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3563-3570.	1.4	10
95	Active site geometry of a novel aminopropyltransferase for biosynthesis of hyperthermophile-specific branched-chain polyamine. <i>FEBS Journal</i> , 2017, 284, 3684-3701.	2.2	10
96	O <sub>2</sub> -Cu <sup>2+</sup> -ascorbic acid: A novel oxidation system for the highly selective O-dealkylation of 2-alkoxyphenols. <i>Chemical and Pharmaceutical Bulletin</i> , 1988, 36, 837-840.	0.6	9
97	Development of a Time-Resolved Fluorometric Detection System Using Diffusion-Enhanced Energy Transfer. <i>Analytical Chemistry</i> , 2000, 72, 4904-4907.	3.2	9
98	Structurally Diverse Polyamines: Solid-Phase Synthesis and Interaction with DNA. <i>ChemBioChem</i> , 2015, 16, 1811-1819.	1.3	9
99	Effects of Structural Isomers of Spermine on the Higher-Order Structure of DNA and Gene Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2355.	1.8	9
100	Versatile, Highly Efficient Oxidations with Heteroaromatic N-Oxides Catalyzed by Ruthenium Porphyrin. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 1995, 53, 633-644.	0.0	9
101	Increasing 5-lipoxygenase inhibitory activities by oxidative conversion of o-methoxyphenols to catechols using a Cu <sup>2+</sup> -ascorbic acid-O <sub>2</sub> system. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 842-844.	0.6	7
102	Biogenic triamine and tetraamine activate core catalytic ability of Tetrahymena group I ribozyme in the absence of its large activator module. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 594-600.	1.0	7
103	Unusual Substituent Effects in the Hydroxylation of Phenols by a Cu <sup>2+</sup> -Ascorbic Acid-O <sub>2</sub> System, <sup>14</sup> C-Radiolysis, and Microsomes. <i>Biochemical and Biophysical Research Communications</i> , 1993, 192, 568-574.	1.0	6
104	Polyoxygenated seco -cyclohexenes and other constituents from <i>Uvaria valderramensis</i> . <i>Biochemical Systematics and Ecology</i> , 2017, 71, 200-204.	0.6	6
105	Methylene chain ruler for evaluating the regioselectivity of a substrate-recognising oxidation catalyst. <i>Chemical Communications</i> , 2019, 55, 8378-8381.	2.2	5
106	Repulsive/attractive interaction among compact DNA molecules as judged through laser trapping: difference between linear- and branched-chain polyamines. <i>Colloid and Polymer Science</i> , 2019, 297, 397-407.	1.0	5
107	Effect of the <i>o</i> -Acetamido Group on pH-Dependent Light Emission of a 3-Hydroxyphenyl-Substituted Dioxetane Luminophore. <i>Organic Letters</i> , 2019, 21, 1258-1262.	2.4	4
108	New Strategy for Synthesis of Bis-Pocket Metalloporphyrins Enabling Regioselective Catalytic Oxidation of Alkanes. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2563-2568.	2.0	4

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109	Study of La <sup>x</sup> MnO <sub>3</sub> non-stoichiometry and defect structure using ESR and iodometry. Journal of Materials Science, 1993, 28, 4689-4692.	1.7	3
110	Development of Cell-Penetration PG-Surfactants and Its Application in External Peptide Delivery to Cytosol. Bioconjugate Chemistry, 2020, 31, 821-833.	1.8	3
111	Fluorescence Response and Self-Assembly of a Tweezer-Type Synthetic Receptor Triggered by Complexation with Heme and Its Catabolites. Chemistry - A European Journal, 2021, 27, 6489-6499.	1.7	3
112	Comparative study of polyethylene polyamines as activator molecules for a structurally unstable group I ribozyme. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1404-1407.	0.6	2
113	Inhibition of FAD-dependent lysine-specific demethylases by chiral polyamine analogues. RSC Advances, 2018, 8, 36895-36902.	1.7	2
114	Synthetic Utility of 2-Oxazolenes. Heterocycles, 1982, 19, 153.	0.4	2
115	Inevitable Cytochrome P450 Coordination Structure for Enzyme Function: Chemical Model Approach to Elucidation of the Axial Ligand Effect. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2009, 67, 134-142.	0.0	2
116	Stable Iron Porphyrin Intramolecularly Coordinated by Alcoholate Anion: Synthesis and Evaluation of Axial Ligand Effect of Alcoholate on Spectroscopy and Catalytic Activity. Inorganic Chemistry, 2019, 58, 4268-4274.	1.9	1
117	Design and Synthesis of Intramolecular Resonance-Energy Transfer Probes for Use in Ratiometric Measurements in Aqueous Solution. , 2000, 39, 3438.		1
118	Pronounced Effects of Axial Thiolate Ligand on Oxygen Activation by Iron Porphyrin. , 1998, , 181-188.		1
119	A Biomimetic Oxidizing System "Cu <sup>2+</sup> -Ascorbic Acid-O <sub>2</sub> ": Its Distinctive Hydroxylation Activity of Aromatic Compounds, Reaction Mechanism, and Application to the Synthesis of New Bioactive Molecules.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1997, 55, 196-206.	0.0	1
120	Necessity of porphyrin coordinate structure for enzymatic function.. Kagaku To Seibutsu, 1998, 36, 95-98.	0.0	0
121	Unique Oxidation Reaction of Amides with Pyridine-N-oxide Catalyzed by Ruthenium Porphyrin: Direct Oxidative Conversion of N-Acyl-L-proline to N-Acyl-L-glutamate.. ChemInform, 2005, 36, no.	0.1	0
122	(Invited) Synthetic Heme Thiolate Complexes as Precise Model of Cytochrome P450. ECS Meeting Abstracts, 2013, , .	0.0	0
123	Distinct modulation of group I ribozyme activity among stereoisomers of a synthetic pentamine with structural constraints. Biochemical and Biophysical Research Communications, 2018, 504, 698-703.	1.0	0
124	Reversible and Competitive Inhibition of Enteropeptidase by 1-trans-Epoxy succinyl-L-leucylamido(4-guanidino)butane (E-64). Biomedical Research, 2001, 22, 207-210.	0.3	0
125	Substrate Specificity of an Aminopropyltransferase and the Biosynthesis Pathway of Polyamines in the Hyperthermophilic Crenarchaeon Pyrobaculum caldifontis. Catalysts, 2022, 12, 567.	1.6	0