

Tsunehiko Higuchi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Substrate Specificity of an Aminopropyltransferase and the Biosynthesis Pathway of Polyamines in the Hyperthermophilic Crenarchaeon <i>Pyrobaculum caldifontis</i> . <i>Catalysts</i> , 2022, 12, 567.	1.6	0
2	Fluorescence Response and Self-Assembly of a Tweezer-Type Synthetic Receptor Triggered by Complexation with Heme and Its Catabolites. <i>Chemistry - A European Journal</i> , 2021, 27, 6489-6499.	1.7	3
3	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
4	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
5	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
6	Development of Cell-Penetration PG-Surfactants and Its Application in External Peptide Delivery to Cytosol. <i>Bioconjugate Chemistry</i> , 2020, 31, 821-833.	1.8	3
7	Methylene chain ruler for evaluating the regioselectivity of a substrate-recognising oxidation catalyst. <i>Chemical Communications</i> , 2019, 55, 8378-8381.	2.2	5
8	Stable Iron Porphyrin Intramolecularly Coordinated by Alcoholate Anion: Synthesis and Evaluation of Axial Ligand Effect of Alcoholate on Spectroscopy and Catalytic Activity. <i>Inorganic Chemistry</i> , 2019, 58, 4268-4274.	1.9	1
9	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
10	Specific effects of antitumor active norspermidine on the structure and function of DNA. <i>Scientific Reports</i> , 2019, 9, 14971.	1.6	18
11	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
12	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
13	Comparative study of polyethylene polyamines as activator molecules for a structurally unstable group I ribozyme. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1404-1407.	0.6	2
14	Inhibition of FAD-dependent lysine-specific demethylases by chiral polyamine analogues. <i>RSC Advances</i> , 2018, 8, 36895-36902.	1.7	2
15	Hydrogen sulfide bypasses the rate-limiting oxygen activation of heme oxygenase. <i>Journal of Biological Chemistry</i> , 2018, 293, 16931-16939.	1.6	13
16	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
17	Distinct modulation of group I ribozyme activity among stereoisomers of a synthetic pentamine with structural constraints. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 698-703.	1.0	0
18	Design and synthesis of a 4-aminoquinoline-based molecular tweezer that recognizes protoporphyrin IX and iron(III) protoporphyrin IX and its application as a supramolecular photosensitizer. <i>Chemical Science</i> , 2018, 9, 7455-7467.	3.7	15

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19	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
20	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
21	Polyoxygenated seco-cyclohexenes and other constituents from <i>Uvaria valderramensis</i> . <i>Biochemical Systematics and Ecology</i> , 2017, 71, 200-204.	0.6	6
22	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
23	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
24	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
25	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
26	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
27	Design of New Extraction Surfactants for Membrane Proteins from Peptide Gemini Surfactants. <i>Bioconjugate Chemistry</i> , 2016, 27, 2469-2479.	1.8	17
28	Structurally Diverse Polyamines: Solid-Phase Synthesis and Interaction with DNA. <i>ChemBioChem</i> , 2015, 16, 1811-1819.	1.3	9
29	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
30	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
31	Nitrous oxide reduction-coupled alkene-alkene coupling catalysed by metalloporphyrins. <i>Chemical Communications</i> , 2013, 49, 8979.	2.2	23
32	Manganese Salen Complexes with Acid-Base Catalytic Auxiliary: Functional Mimetics of Catalase. <i>Inorganic Chemistry</i> , 2013, 52, 3653-3662.	1.9	51
33	Effect of Helical Conformation and Side Chain Structure on $\hat{1}^3$ -Secretase Inhibition by $\hat{1}^2$ -Peptide Foldamers: Insight into Substrate Recognition. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1443-1454.	2.9	24
34	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
35	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
36	(Invited) Synthetic Heme Thiolate Complexes as Precise Model of Cytochrome P450. <i>ECS Meeting Abstracts</i> , 2013, . .	0.0	0

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37	Photocontrol of Peptide Function: Backbone Cyclization Strategy with Photocleavable Amino Acid. <i>ChemBioChem</i> , 2011, 12, 1694-1698.	1.3	15
38	Facile synthesis of peptide-porphyrin conjugates: Towards artificial catalase. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6340-6350.	1.4	36
39	Structurally Designed <i>trans</i> -2-Phenylcyclopropylamine Derivatives Potently Inhibit Histone Demethylase LSD1/KDM1,,. <i>Biochemistry</i> , 2010, 49, 6494-6503.	1.2	163
40	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
41	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
42	Inhibition of β -Secretase Activity by Helical β -Peptide Foldamers. <i>Journal of the American Chemical Society</i> , 2009, 131, 7353-7359.	6.6	78
43	Inevitable Cytochrome P450 Coordination Structure for Enzyme Function: Chemical Model Approach to Elucidation of the Axial Ligand Effect. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 134-142.	0.0	2
44	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
45	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
46	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
47	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
48	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
49	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
50	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>ChemInform</i> , 2005, 36, no.	0.1	0
51	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
52	Mechanistic Studies on the Binding of Nitric Oxide to a Synthetic Heme-Thiolate Complex Relevant to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2005, 127, 5360-5375.	6.6	57
53	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
54	On-Bead Fluorescence Assay for Serine/Threonine Kinases. <i>Organic Letters</i> , 2005, 7, 5565-5568.	2.4	26

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55	Catalytic and asymmetric epoxidation by novel D4-symmetric chiral porphyrin derived from C2-symmetric diol. <i>Journal of Molecular Catalysis A</i> , 2004, 219, 221-226.	4.8	21
56	Electronic effects on enantioselectivity in epoxidation catalyzed by D4-symmetric chiral porphyrins. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3861-3867.	1.8	16
57	Vibronic Coupling between Soret and Higher Energy Excited States in Iron(II) Porphyrins: Raman Excitation Profiles of A _{2g} Modes in the Soret Region. <i>Journal of Physical Chemistry A</i> , 2004, 108, 568-577.	1.1	10
58	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
59	Multiple Active Intermediates in Oxidation Reaction Catalyzed by Synthetic Heme ^h -Thiolate Complex Relevant to Cytochrome P450. <i>Journal of the American Chemical Society</i> , 2002, 124, 9622-9628.	6.6	76
60	Bioimaging of Nitric Oxide with Fluorescent Indicators Based on the Rhodamine Chromophore. <i>Analytical Chemistry</i> , 2001, 73, 1967-1973.	3.2	283
61	Intramolecular Fluorescence Resonance Energy Transfer System with Coumarin Donor Included in β -Cyclodextrin. <i>Analytical Chemistry</i> , 2001, 73, 939-942.	3.2	72
62	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
63	Synthesis of 5,10,15,20-Tetrakis(4-tert-butyl-2,6-dicarboxyphenyl)porphyrin: A Versatile Bis-Faced Porphyrin Synthone for D4-Symmetric Chiral Porphyrins. <i>Organic Letters</i> , 2001, 3, 1805-1807.	2.4	23
64	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
65	Reversible and Competitive Inhibition of Enteropeptidase by 1-trans-Epoxy succinyl-L-leucylamido(4-guanidino)butane (E-64). <i>Biomedical Research</i> , 2001, 22, 207-210.	0.3	0
66	Superoxide Dismutase Activity of Iron(II)TPEN Complex and Its Derivatives. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 1514-1518.	0.6	23
67	Novel Zinc Fluorescent Probes Excitable with Visible Light for Biological Applications. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1052-1054.	7.2	200
68	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
69	Synthesis and superoxide dismutase activity of novel iron complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 586-592.	0.8	33
70	Fluorescent indicators for nitric oxide based on rhodamine chromophore. <i>Tetrahedron Letters</i> , 2000, 41, 69-72.	0.7	48
71	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
72	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

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73	Fluorescence switching by O-dearylation of 7-aryloxy coumarins. Development of novel fluorescence probes to detect reactive oxygen species with high selectivity. Perkin Transactions II RSC, 2000, , 2453-2457.	1.1	71
74	First Synthetic NO ⁺ Heme ⁺ Thiolate Complex Relevant to Nitric Oxide Synthase and Cytochrome P450nor. Journal of the American Chemical Society, 2000, 122, 12059-12060.	6.6	49
75	Development of a Time-Resolved Fluorometric Detection System Using Diffusion-Enhanced Energy Transfer. Analytical Chemistry, 2000, 72, 4904-4907.	3.2	9
76	Highly Zinc-Selective Fluorescent Sensor Molecules Suitable for Biological Applications. Journal of the American Chemical Society, 2000, 122, 12399-12400.	6.6	331
77	Design and Synthesis of Intramolecular Resonance-Energy Transfer Probes for Use in Ratiometric Measurements in Aqueous Solution. , 2000, 39, 3438.		1
78	Novel Fluorescent Probes for Singlet Oxygen. Angewandte Chemie - International Edition, 1999, 38, 2899-2901.	7.2	159
79	Fluorescent Indicators for Imaging Nitric Oxide Production. Angewandte Chemie - International Edition, 1999, 38, 3209-3212.	7.2	514
80	Imaging of caspase-3 activation in HeLa cells stimulated with etoposide using a novel fluorescent probe. FEBS Letters, 1999, 453, 356-360.	1.3	108
81	Novel Iron Porphyrin ⁺ Alkanethiolate Complex with Intramolecular NH ⁺ ⋯S Hydrogen Bond: Synthesis, Spectroscopy, and Reactivity. Journal of the American Chemical Society, 1999, 121, 11571-11572.	6.6	118
82	Dipeptides Containing L-Arginine Analogs: New Isozyme-Selective Inhibitors of Nitric Oxide Synthase.. Biological and Pharmaceutical Bulletin, 1999, 22, 936-940.	0.6	13
83	Necessity of porphyrin coordinate structure for enzymatic function.. Kagaku To Seibutsu, 1998, 36, 95-98.	0.0	0
84	Direct evidence of NO production in rat hippocampus and cortex using a new fluorescent indicator. NeuroReport, 1998, 9, 3345-3348.	0.6	194
85	Improved Nitric Oxide Detection Using 2,3-Diaminonaphthalene and Its Application to the Evaluation of Novel Nitric Oxide Synthase Inhibitors.. Biological and Pharmaceutical Bulletin, 1998, 21, 1247-1250.	0.6	36
86	Selective Deoxygenation of Heteroaromatic N-Oxides with Olefins Catalyzed by Ruthenium Porphyrin.. Chemical and Pharmaceutical Bulletin, 1998, 46, 1656-1657.	0.6	21
87	Pronounced Effects of Axial Thiolate Ligand on Oxygen Activation by Iron Porphyrin. , 1998, , 181-188.		1
88	Pronounced Axial Thiolate Ligand Effect on the Reactivity of High-Valent Oxo ⁺ Iron Porphyrin Intermediate. Journal of the American Chemical Society, 1997, 119, 12008-12009.	6.6	76
89	Regio- and stereo-selective oxidation of steroids using 2,6-dichloropyridine N-oxide catalysed by ruthenium porphyrins. Chemical Communications, 1997, , 861-862.	2.2	48
90	A Biomimetic Oxidizing System "Cu ²⁺ -Ascorbic Acid-O ₂ ": Its Distinctive Hydroxylation Activity of Aromatic Compounds, Reaction Mechanism, and Application to the Synthesis of New Bioactive Molecules.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 1997, 55, 196-206.	0.0	1

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91	Application of chemical P-450 model systems to studies on drug metabolism. Part X. Novel hydroxylactonization of $\hat{1}^3, \hat{1}^-$ and $\hat{1}^2, \hat{1}^3$ -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
92	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
93	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
94	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
95	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
96	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
97	Versatile, Highly Efficient Oxidations with Heteroaromatic N-Oxides Catalyzed by Ruthenium Porphyrin.. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 1995, 53, 633-644.	0.0	9
98	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
99	Study of $\text{La}^{1-x}\text{MnO}_3$ non-stoichiometry and defect structure using ESR and iodometry. <i>Journal of Materials Science</i> , 1993, 28, 4689-4692.	1.7	3
100	Unusual Substituent Effects in the Hydroxylation of Phenols by a Cu^{2+} -Ascorbic Acid- O_2 System, $\hat{1}^-$ -Radiolysis, and Microsomes. <i>Biochemical and Biophysical Research Communications</i> , 1993, 192, 568-574.	1.0	6
101	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
102	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
103	Oxygen Activation by Iron(III)-Porphyrin/ NaBH_4 / Me_4NOH 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
104	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
105	Oxidative decarboxylation of carboxylic acids by iron porphyrin - iodosylbenzene system. <i>Tetrahedron Letters</i> , 1992, 33, 4949-4952.	0.7	48
106	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
107	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
108	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

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109	Application of chemical P-450 model systems to study drug metabolism. III. Metabolism of 3-isobutyryl-2-isopropylpyrazolo(1,5-a)pyridine.. Chemical and Pharmaceutical Bulletin, 1990, 38, 400-403.	0.6	15
110	Increasing 5-lipoxygenase inhibitory activities by oxidative conversion of o-methoxyphenols to catechols using a Cu ²⁺ -ascorbic acid-O ₂ system.. Chemical and Pharmaceutical Bulletin, 1990, 38, 842-844.	0.6	7
111	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. Journal of the American Chemical Society, 1990, 112, 7051-7053.	6.6	115
112	3-Hydroxycoumarins: First direct preparation from coumarins using a Cu ²⁺ -ascorbic acid-O ₂ system, and their potent bioactivities. Biochemical and Biophysical Research Communications, 1990, 168, 169-175.	1.0	16
113	Identification and quantification of p-hydroxyethylamphetamine as a novel metabolite of ethylamphetamine in rat by gas chromatography-mass spectrometry. Forensic Science International, 1989, 41, 83-91.	1.3	12
114	Highly efficient epoxidation of olefins with pyridine n-oxides catalyzed by ruthenium porphyrins. Tetrahedron Letters, 1989, 30, 6545-6548.	0.7	101
115	Facile preparation of unstable metabolic intermediates; Epoxide(s) of pyrazolo[1,5-a]pyridine derivatives by the cytochrome P-450 chemical model.. Chemical and Pharmaceutical Bulletin, 1989, 37, 1410-1412.	0.6	12
116	Highly efficient oxazolone-derived reagents for beta-lactam formation from beta-amino acids. Tetrahedron Letters, 1988, 29, 2203-2205.	0.7	52
117	Versatile chiral synthons for vic-amino alcohols. Facile synthesis of (2S,3R)-3-hydroxyglutamic acid and (+)-statine. Journal of Organic Chemistry, 1988, 53, 3381-3383.	1.7	55
118	O ₂ -Cu ²⁺ -ascorbic acid: A novel oxidation system for the highly selective O-dealkylation of 2-alkoxyphenols.. Chemical and Pharmaceutical Bulletin, 1988, 36, 837-840.	0.6	9
119	3-acyl-2-oxazolone-zirconium complexes as excellent reagents for highly regioselective acylation of polyalcohols. Tetrahedron Letters, 1985, 26, 1977-1980.	0.7	22
120	3-Alkoxy-carbonyl-2-oxazolones and their homopolymers as highly preservable amino-protecting reagents. tert-Butoxycarbonylation and benzyloxycarbonylation of amino groups.. Chemical and Pharmaceutical Bulletin, 1984, 32, 2174-2181.	0.6	17
121	Activation of carboxyl groups by diphenyl 2-oxo-3-oxazolonylphosphonate. Tetrahedron, 1983, 39, 3253-3260.	1.0	34
122	Highly selective acylation of amines and alcohols by poly(3-acyl-2-oxazolone). Tetrahedron Letters, 1982, 23, 1159-1160.	0.7	26
123	Synthetic Utility of 2-Oxazolones. Heterocycles, 1982, 19, 153.	0.4	2
124	A new reagent for activating carboxyl groups: diphenyl 2-oxo-3-oxazolonylphosphonate. Tetrahedron Letters, 1981, 22, 1257-1258.	0.7	39
125	3-Acyl- and 3-alkoxy-carbonyl-2-oxazolones and their homopolymers as amino-protecting reagents. Tetrahedron Letters, 1980, 21, 3065-3066.	0.7	22