

Tatsuo Okauchi

List of Publications by Year in descending order

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86
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2,113
citations

218381

26
h-index

264894

42
g-index

121
all docs

121
docs citations

121
times ranked

2048
citing authors

#	ARTICLE	IF	CITATIONS
1	siRNAs with Neutral Phosphate Triester Hydrocarbon Tails Exhibit Carrier-Free Gene-Silencing Activity. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 695-700.	1.3	6
2	Synthesis of Diazoquinones and Azidophenols via Diazo-Transfer Reaction of Phenols. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2
3	New Phosphorylating Agents for the Synthesis of Phosphatidyl-ethanolamines. <i>Synthesis</i> , 2021, 53, 3827-3835.	1.2	3
4	Building siRNAs with Cubes: Synthesis and Evaluation of Cubane-Modified siRNAs. <i>ChemBioChem</i> , 2021, 22, 2981-2985.	1.3	5
5	Pyrrole Formation via Reactivity of π -4-(Vinylketenimine)iron Complexes with Electron-Deficient Alkynes. <i>Organometallics</i> , 2021, 40, 2929-2933.	1.1	3
6	Synthesis and Evaluation of Neutral Phosphate Triester Backbone-Modified siRNAs. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1457-1462.	1.3	9
7	PdBr ₂ -Catalyzed Acetal Formation of Carbonyl Compounds Using Diazophenanthrenequinone: Utility of 9,10-Phenanthrenedioxyacetal. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5319-5322.	1.2	2
8	Rh(II)-catalyzed formal [3+3] cycloaddition of diazonaphthoquinones and propargyl alcohols: Synthesis of 2,3-dihydronaphtho-1,4-dioxin derivatives. <i>Tetrahedron Letters</i> , 2020, 61, 151853.	0.7	1
9	Direct Azidation of Phenols. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5824-5827.	1.2	4
10	Design, Synthesis and Anticancer Evaluation of New Substituted Thiophene-Quinoline Derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115026.	1.4	33
11	Selective Transesterification of 2,2,2-Trifluoroethyl Phosphates: Synthesis of Mixed Unsymmetrical Phosphates. <i>Organic Letters</i> , 2019, 21, 9779-9783.	2.4	8
12	Pd-catalyzed Cyclization of Terminal Alkynes using Diazonaphthoquinones: Synthesis of Naphtho[1,2- <i>b</i>]furans. <i>Chemistry Letters</i> , 2019, 48, 28-31.	0.7	5
13	Total Synthesis of Eleuthoside A; Application of Rh-Catalyzed Intramolecular Cyclization of Diazonaphthoquinone. <i>Synlett</i> , 2018, 29, 457-462.	1.0	11
14	Synthesis of ($\hat{\pm}$)-myo-inositol 4-methylenephosphonate via Rh-Catalyzed hydrogenation of vinylphosphonate. <i>Carbohydrate Research</i> , 2017, 448, 24-27.	1.1	2
15	Synthesis of 1,2-naphthalenediol derivatives by Rh-catalyzed intermolecular O-H insertion reaction of 1,2-diazonaphthoquinones with water and alcohols. <i>Tetrahedron Letters</i> , 2017, 58, 3508-3511.	0.7	16
16	Synthesis, characterization and air stable semiconductor properties of thiophene-condensed pyrene derivatives. <i>Journal of Molecular Structure</i> , 2017, 1127, 413-418.	1.8	11
17	Axially Chiral Bifunctional 8,8-Di- <i>q</i> -biquinolyl: Synthesis of 7,7-Dihydroxymethyl-8,8-biquinolyl via Pd-Catalyzed Double C-H Oxidation of 7,7-Dimethyl-8,8-biquinolyl. <i>Journal of Organic Chemistry</i> , 2016, 81, 3956-3960.	1.7	1
18	Molecular structures of n-type semiconducting material 2,5-difluoro-1,4-phenylene-3,3-bis[2-[(4-trifluoromethyl)phenyl]acrylonitrile] and its photo dimerization product. <i>Journal of Molecular Structure</i> , 2016, 1118, 372-377.	1.8	6

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19	Synthesis, structure, and reaction of chiral 2-azidoimidazolium salts: (7a <i>S</i>)-3-azido-5,6,7,7a-tetrahydro-2-[(1 <i>R</i>)-1-phenylethyl]-1 <i>H</i> -pyrrolo[1,2- <i>c</i>]imidazolium hexafluorophosphate and 2-azido-1,3-bis[(<i>S</i>)-1-phenylethyl]imidazolium hexafluorophosphate. <i>Tetrahedron Letters</i> , 2016, 57, 1794-1797.	0.7	5
20	Synthesis of Diazonaphthoquinones from Naphthols by Diazo-Transfer Reaction. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 824-833.	2.0	18
21	A Selective G-Quadruplex DNA-Stabilizing Ligand Based on a Cyclic Naphthalene Diimide Derivative. <i>Molecules</i> , 2015, 20, 10963-10979.	1.7	35
22	Pinpoint-fluorinated phenanthrene synthesis based on CF bond activation of difluoroalkenes. <i>Journal of Fluorine Chemistry</i> , 2015, 179, 106-115.	0.9	32
23	Unprecedented formation of η^4 -(vinylketene)iron complexes from η^4 -(diene)iron complexes and aromatic compounds in the presence of a Lewis acid. <i>Chemical Communications</i> , 2015, 51, 8454-8456.	2.2	5
24	Rh-Catalyzed Cyclization of 3-Aryloxy carbonyldiazonaphthoquinones for the Synthesis of β -Phenyl naphthalene Lactones and Formal Synthesis of Pradimicinone. <i>Journal of Organic Chemistry</i> , 2015, 80, 8406-8416.	1.7	17
25	Thermodynamics and kinetic studies in the binding interaction of cyclic naphthalene diimide derivatives with double stranded DNAs. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4769-4776.	1.4	12
26	Molecular Structure and Crystal Packing of n-Type Semiconducting Material $3,3'$ -bis(1,4-Phenylene)bis[2-(4-(trifluoromethyl)phenyl)acrylonitrile]. <i>Journal of Crystallography</i> , 2014, 0, 1-5.	0	0
27	A reagent for safe and efficient diazo-transfer to primary amines: 2-azido-1,3-dimethylimidazolium hexafluorophosphate. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4397.	1.5	48
28	Long-Term Air-Stable n -Channel Organic Thin-Film Transistors Using 2,5-Difluoro-1,4-phenylene-bis[2-[4-(trifluoromethyl)phenyl]acrylonitrile]. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3847-3852.	4.0	26
29	Pd(OAc) ₂ -Catalyzed Macrocyclization of 1,2-Diazonaphthoquinones with Cyclic Ethers. <i>Organic Letters</i> , 2014, 16, 1554-1557.	2.4	44
30	Rhodium-Catalyzed Reaction of Diazonaphthoquinones and Enol Ethers: Synthesis of Dihydronaphthofuran Derivatives and β -Naphthyl Esters. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5045-5049.	1.2	29
31	Studies of inositol 1-phosphate analogues as inhibitors of the phosphatidylinositol phosphate synthase in mycobacteria. <i>Journal of Biochemistry</i> , 2013, 153, 257-266.	0.9	15
32	Synthesis of β -Arylcarboxylic Acid Amides from Silyl Enol Ether via Migratory Amidation with 2-Azido-1,3-dimethylimidazolium Hexafluorophosphate. <i>Chemistry Letters</i> , 2013, 42, 691-693.	0.7	11
33	Direct Synthesis of Organic Azides from Alcohols Using 2-Azido-1,3-dimethylimidazolium Hexafluorophosphate. <i>Synlett</i> , 2012, 23, 1335-1338.	1.0	36
34	Cu(OAc) ₂ -Mediated Cross-Coupling Reaction of Benzophenone <i>N,N,N</i> -Trimethylhydrazonium Salts and Aryl Boronic Acids. <i>Australian Journal of Chemistry</i> , 2012, 65, 1687.	0.5	3
35	Synthesis of 1,2-Naphthalenediol Diacetates by Rhodium(II)-Catalyzed Reaction of 1,2-Diazonaphthoquinones with Acetic Anhydride. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 905-907.	1.2	22
36	Pd(II)-catalyzed Formal O-H Insertion Reactions of Diazonaphthoquinones to Acetic Acid: Synthesis of 1,2-Naphthalenediol Derivatives. <i>Chemistry Letters</i> , 2011, 40, 1129-1131.	0.7	29

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37	Polythiophenes bearing electron-withdrawing groups in the side chain and their application to bulk heterojunction solar cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 234-241.	2.5	7
38	Synthesis of π -conjugated copolymers composed of benzo[2,1,3]thiadiazole and thiophene units bearing various alkyl groups and their application to photovoltaic cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3543-3549.	2.5	5
39	Direct Synthesis of Organic Azides from Primary Amines with 2-Azido-1,3-dimethylimidazolium Hexafluorophosphate. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 458-462.	1.2	57
40	Palladium-catalyzed cross-coupling reactions of 2-diazonaphthoquinones with arylboronic acids. <i>Tetrahedron Letters</i> , 2011, 52, 1931-1933.	0.7	27
41	Synthesis of β , β -diarylacetamides from benzyl aryl ketones using 2-azido-1,3-dimethylimidazolium hexafluorophosphate. <i>Tetrahedron Letters</i> , 2011, 52, 3158-3161.	0.7	15
42	2-Azido-1,3-dimethylimidazolium Salts: Efficient Diazo-Transfer Reagents for 1,3-Dicarbonyl Compounds. <i>Synthesis</i> , 2011, 2011, 1037-1044.	1.2	48
43	Synthesis of Isoindole Derivatives by Palladium-Catalyzed Domino Reaction of (2-Alkynyl)phenylketone O-Pentafluorobenzoyloximes. <i>Synlett</i> , 2011, 2011, 643-646.	1.0	19
44	Direct Synthesis of Acyl Azides from Carboxylic Acids Using 2-Azido-1,3-dimethylimidazolium Chloride. <i>Chemistry Letters</i> , 2010, 39, 732-733.	0.7	21
45	Low-valent zirconocene-mediated cyclization of β , β -unsaturated oximes. <i>Tetrahedron Letters</i> , 2010, 51, 4890-4893.	0.7	10
46	Pinacol Coupling of 2,2-Biaryldiketone: An Application for the Synthesis of Enantiopure 3,4-Dihydrodibenzo[c,g]phenanthrene-3,4-diol Derivatives. <i>Synlett</i> , 2010, 2010, 1359-1362.	1.0	5
47	Enantioselective Synthesis of β -Benzylalanine Using trans-3,4-Dihydro-3,4-diaryldibenzo[c,g]phenanthrene-3,4-diols. <i>Synlett</i> , 2010, 2010, 2097-2100.	1.0	3
48	Facile Preparation of Aryl Sulfides Using Palladium Catalysis under Mild Conditions. <i>Synlett</i> , 2010, 2010, 2891-2894.	1.0	21
49	Synthesis of Diazonaphthoquinones from Naphthols by Diazo-Transfer Reaction with 2-Azido-1,3-dimethylimidazolium Chloride. <i>Synlett</i> , 2010, 2010, 2503-2505.	1.0	33
50	CO insertion in lithiated diene-tricarbonyliron complexes. <i>Chemical Communications</i> , 2010, 46, 5015.	2.2	7
51	2-Azido-1,3-dimethylimidazolium Chloride: An Efficient Diazo Transfer Reagent for 1,3-Dicarbonyl Compounds. <i>Synlett</i> , 2009, 2009, 2943-2944.	1.0	36
52	A Steady Operation of n-Type Organic Thin-Film Transistors with Cyano-Substituted Distyrylbenzene Derivative. <i>Applied Physics Express</i> , 2009, 2, 101502.	1.1	12
53	Chlamydocin analogs bearing carbonyl group as possible ligand toward zinc atom in histone deacetylases. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3438-3446.	1.4	54
54	Generation of β -Phosphonovinyl Radicals and Development of a New Route to Highly Functionalized Vinylphosphonates and Vinylphosphonate-Incorporated Carbocyclic or Heterocyclic Compounds via a Radical Trapping Sequence. <i>ChemInform</i> , 2005, 36, no.	0.1	0

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55	Generation of $\hat{\text{I}}\pm$ -phosphonovinyl radicals and development of a new route to highly functionalized vinylphosphonates and vinylphosphonate-incorporated carbocyclic or heterocyclic compounds via a radical trapping sequence. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 924-931.	1.5	12
56	Acid-Promoted Reaction of Trimethylsilylketene Bis(ethylthio)acetal with Imines. Synthesis of $\hat{\text{I}}^3, \hat{\text{I}}^3$ -Bis(ethylthio)allylamines.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
57	Acid-Promoted Reaction of Trimethylsilylketene Bis(ethylthio)acetal with Imines. Synthesis of $\hat{\text{I}}^3, \hat{\text{I}}^3$ -Bis(ethylthio)allylamines. <i>Journal of Organic Chemistry</i> , 2003, 68, 4947-4950.	1.7	15
58	New Synthesis of gem-Bis(phosphono)ethylenes and their Applications. <i>Synthesis</i> , 2003, 2003, 1971-1976.	1.2	0
59	The First Synthesis of Phosphonoacrolein. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1953-1954.	0.8	2
60	The First Synthesis of Phosphonoacrolein. Application to Diels-Alder Reaction as Heterodiene. <i>Journal of Organic Chemistry</i> , 2002, 67, 7303-7308.	1.7	24
61	Synthesis and biological evaluation of N-(7-indolyl)-3-pyridinesulfonamide derivatives as potent antitumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2097-2100.	1.0	9
62	Lewis Acid-Promoted Deoxygenative Di($\hat{\text{I}}^2, \hat{\text{I}}^2$ -bis(ethylthio)]vinylation of Aldehydes with Trimethylsilylketene Bis(ethylthio)acetal. <i>Journal of Organic Chemistry</i> , 2001, 66, 3924-3929.	1.7	24
63	Regioselective Proton Abstraction and 1,3-Migration of a Phosphorus Group in 1,3-Dienes by Iron Coordination: A New Method for the Synthesis of $\hat{\text{I}}\pm$ -Phosphono- $\hat{\text{I}}\pm, \hat{\text{I}}^2$ -unsaturated Ketones. <i>Journal of the American Chemical Society</i> , 2001, 123, 12117-12118.	6.6	25
64	Intramolecular Cyclizations of $\hat{\text{I}}^2, \hat{\text{I}}^2$ -Disubstituted Styrenes: Synthesis of 3-Fluorinated Isochromenes and Isothiochromenes. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 971-977.	2.0	22
65	Regioselective Nucleophilic Additions to Cross-Conjugated Dienone System Bearing $\hat{\text{I}}^2$ -Fluorine: A Versatile Approach to Highly Substituted 2-Cyclopentenones. <i>Organic Letters</i> , 2001, 3, 2345-2348.	2.4	12
66	$\hat{\text{I}}\pm$ -Phosphonovinyl Carbanions in Organic Synthesis. <i>Synthesis</i> , 2001, 2001, 0349-0357.	1.2	53
67	Asymmetric allylic alkylation of cycloalkenediol diacetates using a chiral phosphine ligand bearing a carboxyl group. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1397-1403.	1.8	21
68	A focused compound library of novel N-(7-indolyl)benzenesulfonamides for the discovery of potent cell cycle inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1223-1226.	1.0	51
69	A General Method for Acylation of Indoles at the 3-Position with Acyl Chlorides in the Presence of Dialkylaluminum Chloride. <i>Organic Letters</i> , 2000, 2, 1485-1487.	2.4	146
70	Synthesis and Synthetic Application of $\hat{\text{I}}\pm$ -Formylvinylphosphonates. Facile Synthesis of Phosphono-Substituted Heterocyclic Compounds. <i>Journal of Organic Chemistry</i> , 2000, 65, 4326-4332.	1.7	28
71	The nucleophilic 5-endo-trig cyclization of gem-difluoroolefins with homoallylic functional groups: syntheses of ring-fluorinated dihydroheteroaromatics. <i>Chemical Communications</i> , 2000, , 1887-1888.	2.2	43
72	Synthesis of 5-Diphenylphosphino-2,3-dihydropyran-4-ones. <i>Heterocycles</i> , 2000, 52, 1393.	0.4	4

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73	Synthetic Utilization of $\hat{I}\pm$ -Phosphonovinyl Anions. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 689-692.	0.8	5
74	$\hat{I}\pm$ -Phosphonovinyl nonaflate: Their synthesis and cross-coupling reactions. Tetrahedron Letters, 1999, 40, 5337-5340.	0.7	33
75	Vinylic C \hat{I} -F bond activation with low-valent zirconocene: the generation and cross-coupling reactions of 1-fluorovinylzirconocene. Tetrahedron Letters, 1999, 40, 7261-7265.	0.7	56
76	A facile synthesis of 1-H-2,2-difluorovinylphosphorus compounds from 2,2,2-trifluoroethyl trifluoromethanesulfonate and substitutions of their vinylic fluorines. Journal of Fluorine Chemistry, 1999, 97, 109-114.	0.9	10
77	Discovery of Novel Antitumor Sulfonamides Targeting G1 Phase of the Cell Cycle. Journal of Medicinal Chemistry, 1999, 42, 3789-3799.	2.9	282
78	Fluorine-Directed Nazarov Cyclizations 2: Regioselective Synthesis of 5-Trifluoromethyl-2-cyclopentenones. Synlett, 1998, 1998, 927-929.	1.0	29
79	Synthesis and Synthetic Utilization of $\hat{I}\pm$ -Functionalized Vinylphosphonates Bearing \hat{I}^2 -Oxy or \hat{I}^2 -Thio Substituents. Journal of Organic Chemistry, 1998, 63, 6239-6246.	1.7	65
80	5-endo-Trigonal cyclization of o-substituted gem-difluorostyrenes: syntheses of 2-fluorinated indoles, benzo[b]furans and benzo[b]thiophenes. Chemical Communications, 1997, , 1537-1538.	2.2	76
81	Lewis Acid-Catalyzed Intramolecular [2 + 2] Cycloaddition of $\hat{I}\pm$ -Ester-Substituted Conjugated Dienyl- and Trienylphosphonates. New Synthesis of Functionalized Cyclic Terpenoids. Journal of Organic Chemistry, 1997, 62, 8419-8424.	1.7	34
82	Novel 2,2-difluorovinylzirconocene: A facile synthesis of monosubstituted gem-difluoroolefins via its cross-coupling reaction. Tetrahedron Letters, 1996, 37, 8799-8802.	0.7	44
83	Synthesis and Synthetic Application of Phosphonoketene Dithioacetals. New Synthesis of Dithioallenes and ($\hat{I}\pm$ -Dithiocarboxyvinyl)phosphonates. Journal of Organic Chemistry, 1996, 61, 8132-8140.	1.7	37
84	Novel 6-5 Fused Ring Heterocycle Antifolates with Potent Antitumor Activity: Bridge Modifications and Heterocyclic Benzoyl Isomers of 2,4-Diamino-6,7-dihydro-5H-cyclopenta(d)pyrimidine Antifolate.. Chemical and Pharmaceutical Bulletin, 1995, 43, 829-841.	0.6	15
85	Development of chiral phosphine ligands bearing a carboxyl group and their application to catalytic asymmetric reaction. Tetrahedron: Asymmetry, 1995, 6, 2469-2474.	1.8	39
86	Formal Synthesis of Teadenols via Pd-catalyzed 6-endo Cyclization of Epoxyphenol. Synlett, 0, , .	1.0	1