Tatsuo Okauchi

List of Publications by Year
in descending order

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86 papers	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	Discovery of Novel Antitumor Sulfonamides Targeting G1 Phase of the Cell Cycle. Journal of Medicinal Chemistry, 1999, 42, 3789-3799.	2.9	282
2	A General Method for Acylation of Indoles at the 3-Position with Acyl Chlorides in the Presence of Dialkylaluminum Chloride. Organic Letters, 2000, 2, 1485-1487.	2.4	146
3	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
4	Synthesis and Synthetic Utilization of Î±-Functionalized Vinylphosphonates Bearing Î²-Oxy or Î²-Thio Substituents. Journal of Organic Chemistry, 1998, 63, 6239-6246.	1.7	65
5	Direct Synthesis of Organic Azides from Primary Amines with 2â€Azidoâ€1,3â€dimethylimidazolinium Hexafluorophosphate. European Journal of Organic Chemistry, 2011, 2011, 458-462.	1.2	57
6	Vinylic Cî—¸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
7	Chlamydocin analogs bearing carbonyl group as possible ligand toward zinc atom in histone deacetylases. Bioorganic and Medicinal Chemistry, 2006, 14, 3438-3446.	1.4	54
8	Î±-Phosphonovinyl Carbanions in Organic Synthesis. Synthesis, 2001, 2001, 0349-0357.	1.2	53
9	A focused compound library of novel N -(7-indolyl)benzenesulfonamides for the discovery of potent cell cycle inhibitors. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1223-1226.	1.0	51
10	2-Azido-1,3-dimethylimidazolinium Salts: Efficient Diazo-Transfer Reagents for 1,3-Dicarbonyl Compounds. Synthesis, 2011, 2011, 1037-1044.	1.2	48
11	A reagent for safe and efficient diazo-transfer to primary amines: 2-azido-1,3-dimethylimidazolinium hexafluorophosphate. Organic and Biomolecular Chemistry, 2014, 12, 4397.	1.5	48
12	Novel 2,2-difluorovinylzirconocene: A facile synthesis of monosubstituted gem-difluoroolefinsvia its cross-coupling reaction. Tetrahedron Letters, 1996, 37, 8799-8802.	0.7	44
13	Pd(OAc)₂-Catalyzed Macrocyclization of 1,2-Diazonaphthoquinones with Cyclic Ethers. Organic Letters, 2014, 16, 1554-1557.	2.4	44
14	The nucleophilic 5-endo-trig cyclization of gem-difluoroolefins with homoallylic functional groups: syntheses of ring-fluorinated dihydroheteroaromatics. Chemical Communications, 2000, , 1887-1888.	2.2	43
15	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
16	Synthesis and Synthetic Application of Phosphonoketene Dithioacetals. New Synthesis of Dithioallenes and (Î±-Dithiocarboxyvinyl)phosphonates. Journal of Organic Chemistry, 1996, 61, 8132-8140.	1.7	37
17	2-Azido-1,3-dimethylimidazolinium Chloride: An Efficient Diazo Transfer Reagent for 1,3-Dicarbonyl Compounds. Synlett, 2009, 2009, 2943-2944.	1.0	36
18	Direct Synthesis of Organic Azides from Alcohols Using 2-Azido-1,3-dimethylÂimidazolinium Hexafluorophosphate. Synlett, 2012, 23, 1335-1338.	1.0	36

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19	A Selective G-Quadruplex DNA-Stabilizing Ligand Based on a Cyclic Naphthalene Diimide Derivative. Molecules, 2015, 20, 10963-10979.	1.7	35
20	Lewis Acid-Catalyzed Intramolecular [2 + 2] Cycloaddition of Î±-Ester-Substituted Conjugated Dienyl- and Trienylphosphonates. New Synthesis of Functionalized Cyclic Terpenoids. Journal of Organic Chemistry, 1997, 62, 8419-8424.	1.7	34
21	Î±-Phosphonovinyl nonaflate: Their synthesis and cross-coupling reactions. Tetrahedron Letters, 1999, 40, 5337-5340.	0.7	33
22	Synthesis of Diazonaphthoquinones from Naphthols by Diazo-Transfer Reaction with 2-Azido-1,3-dimethylimidazolinium Chloride. Synlett, 2010, 2010, 2503-2505.	1.0	33
23	Design, Synthesis and Anticancer Evaluation of New Substituted Thiophene-Quinoline Derivatives. Bioorganic and Medicinal Chemistry, 2019, 27, 115026.	1.4	33
24	Pinpoint-fluorinated phenanthrene synthesis based on CF bond activation of difluoroalkenes. Journal of Fluorine Chemistry, 2015, 179, 106-115.	0.9	32
25	Fluorine-Directed Nazarov Cyclizations 2: Regioselective Synthesis of 5-Trifluoromethyl-2-cyclopentenones. Synlett, 1998, 1998, 927-929.	1.0	29
26	Pd(II)-catalyzed Formal Oâ€“H Insertion Reactions of Diazonaphthoquinones to Acetic Acid: Synthesis of 1,2-Naphthalenediol Derivatives. Chemistry Letters, 2011, 40, 1129-1131.	0.7	29
27	Rhodiumâ€Catalyzed Reaction of Diazonaphthoquinones and Enol Ethers: Synthesis of Dihydronaphthofuran Derivatives and Î±â€Naphthyl Esters. European Journal of Organic Chemistry, 2013, 2013, 5045-5049.	1.2	29
28	Synthesis and Synthetic Application of Î±-Formylvinylphosphonates. Facile Synthesis of Phosphono-Substituted Heterocyclic Compounds. Journal of Organic Chemistry, 2000, 65, 4326-4332.	1.7	28
29	Palladium-catalyzed cross-coupling reactions of 2-diazonaphthoquinones with arylboronic acids. Tetrahedron Letters, 2011, 52, 1931-1933.	0.7	27
30	Long-Term Air-Stable n-Channel Organic Thin-Film Transistors Using 2,5-Difluoro-1,4-phenylene-bis{2-[4-(trifluoromethyl)phenyl]acrylonitrile}. ACS Applied Materials & Interfaces, 2014, 6, 3847-3852.	4.0	26
31	Regioselective Proton Abstraction and 1,3-Migration of a Phosphorus Group in 1,3-Dienes by Iron Coordination:Â A New Method for the Synthesis of Î±-Phosphono-Î±,Î²-unsaturated Ketones. Journal of the American Chemical Society, 2001, 123, 12117-12118.	6.6	25
32	Lewis Acid-Promoted Deoxygenative Di[Î²,Î²-bis(ethylthio)]vinylation of Aldehydes with Trimethylsilylketene Bis(ethylthio)acetal. Journal of Organic Chemistry, 2001, 66, 3924-3929.	1.7	24
33	The First Synthesis of Phosphonoacrolein. Application to Dielsâ€"Alder Reaction as Heterodiene. Journal of Organic Chemistry, 2002, 67, 7303-7308.	1.7	24
34	Intramolecular Cyclizations ofo-SubstitutedÎ²,Î²-Difluorostyrenes: Synthesis of 3-Fluorinated Isochromenes and Isothiochromenes. Bulletin of the Chemical Society of Japan, 2001, 74, 971-977.	2.0	22
35	Synthesis of 1,2â€Naphthalenediol Diacetates by Rhodium(II)â€Catalyzed Reaction of 1,2â€Diazonaphthoquinones with Acetic Anhydride. European Journal of Organic Chemistry, 2012, 2012, 905-907.	1.2	22
36	Asymmetric allylic alkylation of cycloalkenediol diacetates using a chiral phosphine ligand bearing a carboxyl group. Tetrahedron: Asymmetry, 2000, 11, 1397-1403.	1.8	21

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37	Direct Synthesis of Acyl Azides from Carboxylic Acids Using 2-Azido-1,3-dimethylimidazolinium Chloride. Chemistry Letters, 2010, 39, 732-733.	0.7	21
38	Facile Preparation of Aryl Sulfides Using Palladium Catalysis under Mild Conditions. Synlett, 2010, 2010, 2891-2894.	1.0	21
39	Synthesis of Isoindole Derivatives by Palladium-Catalyzed Domino Reaction of (2-Alkynyl)phenylketone O-Pentafluorobenzoyloximes. Synlett, 2011, 2011, 643-646.	1.0	19
40	Synthesis of Diazonaphthoquinones from Naphthols by Diazo-Transfer Reaction. Bulletin of the Chemical Society of Japan, 2015, 88, 824-833.	2.0	18
41	Rh-Catalyzed Cyclization of 3-Aryloxycarbonyldiazonaphthoquinones for the Synthesis of Î²-Phenylnaphthalene Lactones and Formal Synthesis of Pradimicinone. Journal of Organic Chemistry, 2015, 80, 8406-8416.	1.7	17
42	Synthesis of 1,2-naphthalenediol derivatives by Rh-catalyzed intermolecular O H insertion reaction of 1,2-diazonaphthoquinones with water and alcohols. Tetrahedron Letters, 2017, 58, 3508-3511.	0.7	16
43	Novel 6-5 Fused Ring Heterocycle Antifolates with Potent Antitumor Activity: Bridge Modifications and Heterocyclic Benzoyl Isosters of 2,4-Diamino-6,7-dihydro-5H-cyclopenta(d)pyrimidine Antifolate.. Chemical and Pharmaceutical Bulletin, 1995, 43, 829-841.	0.6	15
44	Acid-Promoted Reaction of Trimethylsilylketene Bis(ethylthio)acetal with Imines. Synthesis of Î³,Î³-Bis(ethylthio)allylamines. Journal of Organic Chemistry, 2003, 68, 4947-4950.	1.7	15
45	Synthesis of Î±,Î±-diarylacetamides from benzyl aryl ketones using 2-azido-1,3-dimethylimidazolinium hexafluorophosphate. Tetrahedron Letters, 2011, 52, 3158-3161.	0.7	15
46	Studies of inositol 1-phosphate analogues as inhibitors of the phosphatidylinositol phosphate synthase in mycobacteria. Journal of Biochemistry, 2013, 153, 257-266.	0.9	15
47	Regioselective Nucleophilic Additions to Cross-Conjugated Dienone System Bearing Î²-Fluorine:â€‰ A Versatile Approach to Highly Substituted 2-Cyclopentenones. Organic Letters, 2001, 3, 2345-2348.	2.4	12
48	Generation of Î±-phosphonovinyl radicals and development of a new route to highly functionalized vinylphosphonates and vinylphosphonate-incorporated carbocyclic or heterocyclic compounds via a radical trapping sequence. Organic and Biomolecular Chemistry, 2005, 3, 924-931.	1.5	12
49	A Steady Operation of n-Type Organic Thin-Film Transistors with Cyano-Substituted Distyrylbenzene Derivative. Applied Physics Express, 2009, 2, 101502.	1.1	12
50	Thermodynamics and kinetic studies in the binding interaction of cyclic naphthalene diimide derivatives with double stranded DNAs. Bioorganic and Medicinal Chemistry, 2015, 23, 4769-4776.	1.4	12
51	Synthesis of Î±-Arylcarboxylic Acid Amides from Silyl Enol Ether via Migratory Amidation with 2-Azido-1,3-dimethylimidazolinium Hexafluorophosphate. Chemistry Letters, 2013, 42, 691-693.	0.7	11
52	Synthesis, characterization and air stable semiconductor properties of thiophene-condensed pyrene derivatives. Journal of Molecular Structure, 2017, 1127, 413-418.	1.8	11
53	Total Synthesis of Eleuthoside A; Application of Rh-Catalyzed Intramolecular Cyclization of Diazonaphthoquinone. Synlett, 2018, 29, 457-462.	1.0	11
54	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

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55	Low-valent zirconocene-mediated cyclization of Î³,Î´-unsaturated oximes. Tetrahedron Letters, 2010, 51, 4890-4893.	0.7	10
56	Synthesis and biological evaluation of N-(7-indolyl)-3-pyridinesulfonamide derivatives as potent antitumor agents. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2097-2100.	1.0	9
57	Synthesis and Evaluation of Neutral Phosphate Triester Backbone-Modified siRNAs. ACS Medicinal Chemistry Letters, 2020, 11, 1457-1462.	1.3	9
58	Selective Transesterification of 2,2,2-Trifluoroethyl Phosphates: Synthesis of Mixed Unsymmetrical Phosphates. Organic Letters, 2019, 21, 9779-9783.	2.4	8
59	CO insertion in lithiated dieneâ€“tricarbonyliron complexes. Chemical Communications, 2010, 46, 5015.	2.2	7
60	Polythiophenes bearing electronâ€withdrawing groups in the side chain and their application to bulk heterojunction solar cells. Journal of Polymer Science Part A, 2011, 49, 234-241.	2.5	7
61	Molecular structures of n-type semiconducting material 2,5-difluoro-1,4-phenylene-3,3â€²-bis{2-[(4-trifluoromethyl)phenyl]acrylonitrile} and its photo dimerization product. Journal of Molecular Structure, 2016, 1118, 372-377.	1.8	6
62	SiRNAs with Neutral Phosphate Triester Hydrocarbon Tails Exhibit Carrier-Free Gene-Silencing Activity. ACS Medicinal Chemistry Letters, 2022, 13, 695-700.	1.3	6
63	Synthetic Utilization of Î±-Phosphonovinyl Anions. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 689-692.	0.8	5
64	Pinacol Coupling of 2,2â€²-Biaryldiketone: An Application for the Synthesis of Enantiopure 3,4-Dihydrodibenzo[c,g]phenanthrene-3,4-diol Derivatives. Synlett, 2010, 2010, 1359-1362.	1.0	5
65	Synthesis of Ï€â€conjugated copolymers composed of benzo[2,1,3]thiadiazole and thiophene units bearing various alkyl groups and their application to photovoltaic cells. Journal of Polymer Science Part A, 2011, 49, 3543-3549.	2.5	5
66	Unprecedented formation of Î·4-(vinylketene)iron complexes from Î·4-(diene)iron complexes and aromatic compounds in the presence of a Lewis acid. Chemical Communications, 2015, 51, 8454-8456.	2.2	5
67	Synthesis, structure, and reaction of chiral 2-azidoimidazolinium salts: (7aS)-3-azido-5,6,7,7a-tetrahydro-2-[(1R)-1-phenylethyl]-1H-pyrrolo[1,2-c]imidazolium hexafluorophosphate and 2-azido-1,3-bis[(S)-1-phenylethyl]imidazolinium hexafluorophosphate. Tetrahedron Letters, 2016, 57, 1794-1797.	0.7	5
68	Pd-catalyzed Cyclization of Terminal Alkynes using Diazonaphthoquinones: Synthesis of Naphtho[1,2-b]furans. Chemistry Letters, 2019, 48, 28-31.	0.7	5
69	Building siRNAs with Cubes: Synthesis and Evaluation of Cubaneâ€Modified siRNAs. ChemBioChem, 2021, 22, 2981-2985.	1.3	5
70	Direct Azidation of Phenols. European Journal of Organic Chemistry, 2019, 2019, 5824-5827.	1.2	4
71	Synthesis of 5-Diphenylphosphinoyl-2,3-dihydropyran-4-ones. Heterocycles, 2000, 52, 1393.	0.4	4
72	Enantioselective Synthesis of Î±-Benzylalanine Using trans-3,4-Dihydro-3,4-diaryldibenzo[c,g]phenanthrene-3,4-diols. Synlett, 2010, 2010, 2097-2100.	1.0	3

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73	Cu(OAc)2-Mediated Cross-Coupling Reaction of Benzophenone N,N,N-Trimethylhydrazonium Salts and Aryl Boronic Acids. Australian Journal of Chemistry, 2012, 65, 1687.	0.5	3
74	New Phosphorylating Agents for the Synthesis of PhosphatidylÂethanolamines. Synthesis, 2021, 53, 3827-3835.	1.2	3
75	Pyrrole Formation via Reactivity of Î·4-(Vinylketenimine)iron Complexes with Electron-Deficient Alkynes. Organometallics, 2021, 40, 2929-2933.	1.1	3
76	The First Synthesis of Phosphonoacrolein. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1953-1954.	0.8	2
77	Synthesis of (Â±)-myo-inositol 4-methylenephosphonate via Rh-Catalyzed hydrogenation of vinylphosphonate. Carbohydrate Research, 2017, 448, 24-27.	1.1	2
78	PdBr 2 â€Catalyzed Acetal Formation of Carbonyl Compounds Using Diazophenanthrenequinone: Utility of 9,10â€Phenanthrenedioxyacetal. European Journal of Organic Chemistry, 2020, 2020, 5319-5322.	1.2	2
79	Synthesis of Diazoquinones and Azidophenols via Diazoâ€Transfer Reaction of Phenols. European Journal of Organic Chemistry, 2022, 2022, .	1.2	2
80	Axially Chiral Bifunctional 8,8â€²-Biquinolyl: Synthesis of 7,7â€²-Dihydroxymethyl-8,8â€²-biquinolyl via Pd-Catalyzed Double Câ€“H Oxidation of 7,7â€²-Dimethyl-8,8â€²-biquinolyl. Journal of Organic Chemistry, 2016, 81, 3956-3960.	1.7	1
81	Rh(II)-catalyzed formal [3+3] cycloaddition of diazonaphthoquinones and propargyl alcohols: Synthesis of 2,3-dihydronaphtho-1,4-dioxin derivatives. Tetrahedron Letters, 2020, 61, 151853.	0.7	1
82	Formal Synthesis of Teadenols via Pd-catalyzed 6-endo Cyclization of Epoxyphenol. Synlett, 0, , .	1.0	1
83	Acid-Promoted Reaction of Trimethylsilylketene Bis(ethylthio)acetal with Imines. Synthesis of Î³,Î³-Bis(ethylthio)allylamines.. ChemInform, 2003, 34, no.	0.1	0
84	New Synthesis ofgem-Bis(phosphono)ethylenes and their Applications. Synthesis, 2003, 2003, 1971-1976.	1.2	0
85	Generation of Î±-Phosphonovinyl Radicals and Development of a New Route to Highly Functionalized Vinylphosphonates and Vinylphosphonate-Incorporated Carbocyclic or Heterocyclic Compounds via a Radical Trapping Sequence.. ChemInform, 2005, 36, no.	0.1	0
86	Molecular Structure and Crystal Packing of n-Type Semiconducting Material 3â€²,3â€²-(1,4-Phenylene)bis{2â€²-(4â€²â€²-trifluoromethyl)phenyl}acrylonitrile. Journal of Crystallography, 2014, 2014, 1-5.	0.0	0