Sentaro Okamoto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3921704/publications.pdf

Version: 2024-02-01

42	1,451	394421	315739
papers	citations	19 h-index	38 g-index

43	43	43	1073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Organotitanium Complexes from Alkenes and Alkynes and Their Synthetic Applications. Chemical Reviews, 2000, 100, 2835-2886.	47.7	358
2	A Highly PracticalInstantCatalyst for Cyclotrimerization of Alkynes to Substituted Benzenes. Organic Letters, 2006, 8, 1439-1442.	4.6	95
3	The Divalent Titanium Complex Ti(O-i-Pr)4/2i-PrMgX as an Efficient and Practical Reagent for Fine Chemical Synthesis. Advanced Synthesis and Catalysis, 2001, 343, 759-784.	4.3	92
4	Efficient and Practical Method for Synthesizing N-Heterocyclic Compounds Using Intramolecular Nucleophilic Acyl Substitution Reactions Mediated by Ti(O-i-Pr)4/2i-PrMgX Reagent. Synthesis of Quinolones, Pyrroles, Indoles, and Optically Active N-Heterocycles Including Allopumiliotoxin Alkaloid 267A. Journal of the American Chemical Society, 1997, 119, 6984-6990.	13.7	86
5	Ti(O-i-Pr)₄/Me₃SiCl/Mg-Mediated Reductive Cleavage of Sulfonamides and Sulfonates to Amines and Alcohols. Organic Letters, 2011, 13, 2626-2629.	4.6	76
6	From the Development of Catalysts for Alkyne and Alkyne-Nitrile [2+2+2] Cycloaddition Reactions to Their Use in Polymerization Reactions. Synlett, 2013, 24, 1044-1060.	1.8	72
7	Synthesis of Substituted 2,2â€²â€Bipyridines and 2,2â€²:6â€²,2â€²â€²â€Terpyridines by Cobaltâ€Catalyzed Cycloaddition Reactions of Nitriles and Î±,Ï‰â€Diynes with Exclusive Regioselectivity. Advanced Synthesis and Catalysis, 2008, 350, 143-152.	4.3	67
8	Titanium(IV) Aryloxide Catalyzed Cyclization Reactions of 1,6- and 1,7-Dienes. Journal of the American Chemical Society, 2000, 122, 1223-1224.	13.7	60
9	Efficient Activation of 2â€Iminomethylpyridine/Cobaltâ€Based Alkyne [2+2+2]â€‰Cycloaddition Catalyst by Addition of a Silver Salt. Advanced Synthesis and Catalysis, 2007, 349, 2368-2374.	4.3	56
10	Novel Synthetic Approach to 19-nor-1Î±,25-Dihydroxyvitamin D3and Its Derivatives by Suzukiâ^'Miyaura Coupling in Solution and on Solid Support. Organic Letters, 2001, 3, 3975-3977.	4.6	42
11	Selective Cleavage of Allyl and Propargyl Ethers to Alcohols Catalyzed by Ti(O-i-Pr)4/MXn/Mg. Organic Letters, 2007, 9, 773-776.	4.6	42
12	An Allyltitanium Derived from Acrolein 1,2-Dicyclohexylethylene Acetal and (Î·2-propene)Ti(O-i-Pr)2as a Chiral Propionaldehyde Homoenolate Equivalent that Reacts with Imines with Excellent Stereoselectivity. An Efficient and Practical Access to Optically Active Î³-Amino Carbonyl Compounds. Journal of the American Chemical Society, 2001, 123, 3462-3471.	13.7	37
13	Titanium-Catalyzed Cycloisomerization of 1,6-Dienes. Regio- and Stereoselective Synthesis ofexo-Methylenecycloalkanes. Organometallics, 2000, 19, 1449-1451.	2.3	35
14	Synthetic Reactions Using Low-valent Titanium Reagents Derived from Ti(OR)₄or CpTiX₃(Xâ€‰=â€‰O-i-Pr or Cl) in the Presence of Me₃SiCl and Mg. Chemical Record, 2016, 16, 857-872.	5.8	29
15	Preparation of Titanated Alkoxyallenes from 3-Alkoxy-2-propyn-1-yl Carbonates and (Î·2-Propene)Ti(O-i-Pr)2 as an Efficient Ester Homoaldol Equivalent. Organic Letters, 2000, 2, 2369-2371.	4.6	27
16	Non-Cp titanium alkoxide-based homolytic ring-opening of epoxides by an intramolecular hydrogen abstraction in Î²-titanoxy radical intermediates. Chemical Communications, 2011, 47, 7857.	4.1	26
17	Generation of a Lowâ€Valent Titanium Species from Titanatrane and its Catalytic Reactions: Radical Ring Opening of Oxetanes. Advanced Synthesis and Catalysis, 2013, 355, 2151-2157.	4.3	25
18	McMurry coupling of aryl aldehydes and imino pinacol coupling mediated by Ti(O-i-Pr)4/Me3SiCl/Mg reagent. Tetrahedron Letters, 2010, 51, 387-390.	1.4	24

#	Article	IF	Citations
19	Efficient Convergent Synthesis of 1Î±,25-Dihydroxyvitamin D3 and Its Analogues by Suzukiâ^'Miyaura Coupling. Organic Letters, 2003, 5, 523-525.	4.6	22
20	Folded H-Stacking Polymers by Conformational Control with 2-Substituted Trimethylene Tethers. Macromolecules, 2010, 43, 6562-6569.	4.8	20
21	Alkyne [2 + 2 + 2] Cyclotrimerization Catalyzed by a Low-Valent Titanium Reagent Derived from CpTiX₃ (X = Cl, O-i-Pr), Me₃SiCl, and Mg or Zn. Organometallics, 2018, 37, 4431-4438.	2.3	17
22	New Convergent Synthesis of 1Î±,25-Dihydroxyvitamin D3and Its Analogues by Suzukiâ^'Miyaura Coupling between A-Ring and C,D-Ring Parts. Journal of Organic Chemistry, 2003, 68, 9767-9772.	3.2	16
23	Remarkable Activation of an Alkyne [2+2+2]-Cycloaddition Catalyst, 2-Iminomethylpyridine (dipimp)/CoCl2Â·6H2O/Zn, by a Phthalate Additive. Synlett, 2012, 23, 2549-2553.	1.8	15
24	Synthetic Reactions with Divalent Titanium Complex.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1998, 56, 424-432.	0.1	15
25	Preparation of 2-hydroxy A-ring precursors for synthesis of vitamin D3 analogues from lyxose. Tetrahedron Letters, 2015, 56, 2315-2318.	1.4	12
26	Silicaâ€Supported Silver as a Green and Sustainable Catalyst for the [3+2]â€Cycloaddition Reaction of Azomethine Ylides with 2â€²â€Hydroxychalcone Derivatives. ChemCatChem, 2018, 10, 2014-2018.	3.7	10
27	Stereoselective construction of 3a-methylhydrindanes starting from 2,7-enynol derivatives based on Ti(II)-mediated cyclization and Ru-catalyzed ring-closing metathesis. Tetrahedron Letters, 2006, 47, 5181-5185.	1.4	9
28	Synthesis and properties of through-space conjugated polymers based on Ï€-Ï€ stacked 1,3-biarylpropane tethering units. Journal of Polymer Science Part A, 2013, 51, 3412-3419.	2.3	9
29	Catalytic [2â€‰+â€‰2â€‰+â€‰2] cycloaddition polymerization of diyneâ€“nitrile monomers in the presence of CoCl₂â€6H₂O/diphosphine/Zn. Journal of Polymer Science Part A, 2016, 54, 345-351.	2.3	9
30	Design and synthesis of 2-(1,3-dialkoxy-2-methylpropan-2-yl)-1,3-diarylpropanes as tethering units for folded H-stacking polymers. Tetrahedron Letters, 2014, 55, 2649-2653.	1.4	8
31	Low-valent titanium-catalyzed deprotection of allyl- and propargyl-carbamates to amines. Tetrahedron Letters, 2016, 57, 2074-2077.	1.4	8
32	Synthesis and vitamin D receptor affinity of 16-oxa vitamin D₃ analogues. Organic and Biomolecular Chemistry, 2019, 17, 10188-10200.	2.8	6
33	Synthesis of Enantio-enriched Axially Chiral Allenyltitaniums and their Reaction with Electrophiles.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2001, 59, 1204-1211.	0.1	5
34	6-Halo-2-pyridone as an efficient organocatalyst for ester aminolysis. RSC Advances, 2021, 11, 24588-24593.	3.6	4
35	Deuteration of Indole Compounds: Synthesis of Deuterated Auxins, Indole-3-acetic Acid-d5 and Indole-3-butyric Acid-d5. ACS Omega, 2021, 6, 19956-19963.	3.5	4
36	Dual-mode coupling copolymerization of aryl dialdehyde and alkynylaldehyde monomers via Concurrent McMurry olefination and alkyne [2+2+2] cycloaddition trimerization reactions mediated by a low-valent titanium reagent. Polymer, 2021, 214, 123344.	3.8	3

#	Article	IF	Citations
37	Efficient Convergent Synthesis of 1Î±,25-Dihydroxyvitamin D3and Its Analogues by Suzukiâ^'Miyaura Coupling. Organic Letters, 2003, 5, 3167-3167.	4.6	2
38	Synthesis of [ï£¿CH₂C(CO₂Et)₂CH₂Arï£¿]_n polymers and their unique optical properties by throughâ€space interactions between Ar and Cï£¾O groups. Journal of Polymer Science Part A, 2012, 50, 1707-1716.	2.3	2
39	Prostaglandin Synthesis via Two-Component Coupling Process: The Course of Industry-University Cooperation toward the Production of PGE1 in a Kilogram Scale.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1999, 57, 422-428.	0.1	2
40	Iron-Catalyzed Reductive Metalationâ€"Allylation and Metalative Cyclization of 2,3-Disubstituted Oxetanes and Their Stereoselectivity. Synthesis, 2016, 48, 2823-2828.	2.3	1
41	Synthesis and properties of folded Ï€-stacking polymers having J-aggregative, alternative, and staggered assembling structures. Polymer, 2016, 97, 550-558.	3.8	1
42	Synthesis of folded H-stacking skipped Ï€ polymers consisting of different 2-substituted trimethylene tethering units and their optical and conductive property. Polymer, 2021, 230, 124037.	3.8	0