Yasushi Imada

List of Publications by Year in descending order

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87 papers	3,585 citations	126907 33 h-index	138484 58 g-index
112 all docs	112 docs citations	112 times ranked	2271 citing authors

#	Article	IF	Citations
1	Copper(I)-Catalyzed Amination of Propargyl Esters. Selective Synthesis of Propargylamines, 1-Alken-3-ylamines, and (Z)-Allylamines. Journal of Organic Chemistry, 1994, 59, 2282-2284.	3.2	223
2	Flavin Catalyzed Oxidations of Sulfides and Amines with Molecular Oxygen. Journal of the American Chemical Society, 2003, 125, 2868-2869.	13.7	196
3	Palladium(0)-catalyzed azidation of allyl esters. Selective synthesis of allyl azides, primary allylamines, and related compounds. Journal of Organic Chemistry, 1989, 54, 3292-3303.	3.2	192
4	Asymmetric Baeyer-Villiger Reaction with Hydrogen Peroxide Catalyzed by a Novel Planar-Chiral Bisflavin. Angewandte Chemie - International Edition, 2002, 41, 2366-2368.	13.8	184
5	Synthesis and Transformations of Nitrones for Organic Synthesis. Chemical Reviews, 2019, 119, 4684-4716.	47.7	179
6	An Aerobic, Organocatalytic, and Chemoselective Method for Baeyer-Villiger Oxidation. Angewandte Chemie - International Edition, 2005, 44, 1704-1706.	13.8	141
7	Flavin-Catalyzed Generation of Diimide:Â An Environmentally Friendly Method for the Aerobic Hydrogenation of Olefins. Journal of the American Chemical Society, 2005, 127, 14544-14545.	13.7	113
8	Biomimetic flavin-catalysed reactions for organic synthesis. Organic and Biomolecular Chemistry, 2015, 13, 7599-7613.	2.8	103
9	Palladium(0)-catalyzed alkoxycarbonylation of allyl phosphates and acetates. Journal of Organic Chemistry, 1993, 58, 1538-1545.	3.2	94
10	Palladium-Catalyzed Asymmetric Alkylation of 2,3-Alkadienyl Phosphates. Synthesis of Optically Active 2-(2,3-Alkadienyl)malonates. Chemistry Letters, 2002, 31, 140-141.	1.3	90
11	Enantioselective Addition of Ketene Silyl Acetals to Nitrones Catalyzed by Chiral Titanium Complexes. Synthesis of Optically ActiveÎ²-Amino Acids. Journal of the American Chemical Society, 2002, 124, 2888-2889.	13.7	83
12	Flavins as organocatalysts for environmentally benign molecular transformations. Chemical Record, 2007, 7, 354-361.	5.8	83
13	Palladium-catalyzed Carbonylation of Allylamines. Synthesis of Î²,Î³-unsaturated amides by one-carbon homologation of Allylamines. Tetrahedron, 1994, 50, 453-464.	1.9	73
14	Palladium-Catalyzed Asymmetric Amination and Imidation of 2,3-Allenyl Phosphates. Organic Letters, 2005, 7, 5837-5839.	4.6	73
15	Palladium(0)-catalyzed carbonylation of allyl phosphates and allyl acetates. Selective synthesis of Î²,Î³-unsaturated esters. Tetrahedron Letters, 1988, 29, 4945-4948.	1.4	70
16	Neutral Flavins: Green and Robust Organocatalysts for Aerobic Hydrogenation of Olefins. Organic Letters, 2010, 12, 32-35.	4.6	70
17	Flavin-Catalyzed Oxidation of Amines and Sulfides with Molecular Oxygen: Biomimetic Green Oxidation. Chemistry - an Asian Journal, 2006, 1, 136-147.	3.3	69
18	Aerobic Reduction of Olefins by In Situ Generation of Diimide with Synthetic Flavin Catalysts. Chemistry - A European Journal, 2011, 17, 5908-5920.	3.3	67

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19	Tungstate-Catalyzed Decarboxylative Oxidation of N-Alkyl-.alpha.-amino Acids: An Efficient Method for Regioselective Synthesis of Nitrones. Journal of Organic Chemistry, 1994, 59, 6170-6172.	3.2	66
20	Palladium(O) catalyzed azidation and amination of allyl acetates. Selective synthesis of allyl azides and primary allylamines. Tetrahedron Letters, 1986, 27, 227-230.	1.4	62
21	Regioselective Synthesis of Nitrones by Decarboxylative Oxidation ofN-Alkyl-Î±-amino Acids and Application to the Synthesis of 1-Azabicyclic Alkaloids. Bulletin of the Chemical Society of Japan, 1999, 72, 2737-2754.	3.2	60
22	Palladium(o)-catalyzed hydroxylamination of allyl esters. Tetrahedron Letters, 1988, 29, 2973-2976.	1.4	58
23	Palladium-Catalyzed Double and Single Carbonylations ofÎ²-Amino Alcohols. Selective Synthesis of Morpholine-2,3-diones and Oxazolidin-2-ones and Applications for Synthesis ofÎ±-Oxo Carboxylic Acids. Bulletin of the Chemical Society of Japan, 1996, 69, 2079-2090.	3.2	55
24	Palladium(II)-catalysed oxidative ring cleavage of cyclic acetals with t-butyl hydroperoxide: preparation of monoesters of diols. Journal of the Chemical Society Chemical Communications, 1983, , 1245.	2.0	50
25	Palladium-catalysed carbonylation of allylamines. Journal of the Chemical Society Chemical Communications, 1988, , 1578.	2.0	49
26	Rhodium catalyzed hydrogenation of nitrogen heteroaromatics under water gas shift conditions. Selective synthesis of 1,2,3,4-tetrahydroquinolines and -formyl-1,2,3,4-tetrahydroisoquinolines. Tetrahedron Letters, 1987, 28, 77-80.	1.4	44
27	Rhodium Catalyzed Hydrogenation of Quinolines and Isoquinolines under Water-Gas Shift Conditions. Bulletin of the Chemical Society of Japan, 1989, 62, 2968-2976.	3.2	44
28	Flavin-catalyzed aerobic oxidation of sulfides in aqueous media. Tetrahedron Letters, 2013, 54, 621-624.	1.4	44
29	Highly Diastereoselective Addition of a Chiral Ketene Silyl Acetal to Nitrones:Â Asymmetric Synthesis of Î²-Amino Acids and Key Intermediates of Î²-Lactam Antibiotics. Journal of Organic Chemistry, 1999, 64, 3790-3791.	3.2	43
30	Design of peptide-containing N5-unmodified neutral flavins that catalyze aerobic oxygenations. Chemical Science, 2017, 8, 5468-5475.	7.4	43
31	Palladium-Catalyzed Carbonylation of Propargylamines. Selective Insertion of Carbon Monoxide into a Carbonâ^'Nitrogen Bond. Journal of Organic Chemistry, 1996, 61, 6766-6767.	3.2	41
32	Palladium-Catalyzed Regioselective Carbonylation of 2,3-Dienylamines to Î±-Vinylacrylamides. Journal of Organic Chemistry, 1996, 61, 7982-7983.	3.2	35
33	Asymmetric Synthesis ofÎ²-Amino Acids by Addition of Chiral Enolates to Nitrones viaN-Acyloxyiminium Ions. Bulletin of the Chemical Society of Japan, 2000, 73, 2423-2444.	3.2	33
34	Oxidation of sulfides with hydrogen peroxide catalyzed by 10,10â€²-linked bisflavinium perchlorates. Tetrahedron Letters, 2007, 48, 937-939.	1.4	32
35	Sequential asymmetric homoallenylation of primary amines with a palladium catalyst. Tetrahedron Letters, 2008, 49, 4915-4917.	1.4	32
36	Osmium-catalyzed asymmetric dihydroxylation of olefins using chiral isoxazolidine ligands. Tetrahedron Letters, 1992, 33, 5081-5084.	1.4	30

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37	Asymmetric Synthesis of Î²-Amino Acids by Addition of Chiral Enolates toN-Acyloxyiminium Ions and Application for Synthesis of Optically Active 5-Substituted 8-Methylindolizidines. Organic Letters, 1999, 1, 107-110.	4.6	28
38	Palladium-catalyzed asymmetric alkoxycarbonylation of allyl phosphates. Tetrahedron Letters, 1997, 38, 8227-8230.	1.4	24
39	cis-Oxypalladation Complexes Derived from (1R,5R)-2(10),3-Pinadiene and Their Utilization in Pd(II)-catalyzed Enantioselective Cyclization of 2-(trans-2-Butenyl)phenols. Bulletin of the Chemical Society of Japan, 1985, 58, 3282-3290.	3.2	23
40	RHODIUM-CATALYZED AZACARBONYLATION OF ALLYL PHOSPHATES. THE PREPARATION OF Î²,Î³-UNSATURATED AMIDES FROM ALLYL ALCOHOLS. Chemistry Letters, 1985, 14, 1477-1480.	1.3	23
41	Aza- and oxacarbonylations of allyl phosphates catalyzed by rhodium carbonyl cluster. Selective synthesis of Î², Î³-unsaturated amides, esters, and acids. Journal of Organometallic Chemistry, 1993, 451, 183-194.	1.8	23
42	Synthesis of (R)- and (S)-3-(tert-butyldimethylsilyloxy)-1-pyrroline N-oxides â€" chiral nitrones for synthesis of biologically active pyrrolidine derivative, Geissman-Waiss lactone. Tetrahedron Letters, 1998, 39, 2765-2766.	1.4	21
43	Oxidation of sulfides with hydrogen peroxide catalyzed by synthetic flavin adducts with dendritic bis(acylamino)pyridines. Tetrahedron, 2014, 70, 495-501.	1.9	21
44	Titanium(III)-Induced Transformation of Hydroxylamines to Imines or Secondary Amines. Bulletin of the Chemical Society of Japan, 1994, 67, 2542-2549.	3.2	20
45	Flavinâ€Functionalized Gold Nanoparticles as an Efficient Catalyst for Aerobic Organic Transformations. ChemCatChem, 2015, 7, 99-106.	3.7	16
46	Advanced flavin catalysts elaborated with polymers. Polymer Journal, 2018, 50, 941-949.	2.7	16
47	Aerobic Oxidation of Sulfides with a Vitamin B2-Derived Organocatalyst. Synlett, 2013, 24, 1679-1682.	1.8	15
48	Synthesis of Homochiral b-Sulfinyl Nitrones and Their Application for Enantioselective Synthesis of (+)-Euphococcinine. Heterocycles, 2000, 52, 557.	0.7	14
49	cis-oxypalladation complexes of a pinene derivative. Tetrahedron Letters, 1982, 23, 3373-3374.	1.4	13
50	Oxidation of Sulfides with Hydrogen Peroxide Catalyzed by Vitamin B2 Derivatives. Synthetic Communications, 2013, 43, 3064-3071.	2.1	13
51	Non-covalently dendronized flavins as organocatalysts for aerobic reduction of olefins. Tetrahedron, 2013, 69, 8572-8578.	1.9	13
52	Efficient Use of Photons in Photoredox/Enamine Dual Catalysis with a Peptide-Bridged Flavinâ€"Amine Hybrid. Organic Letters, 2019, 21, 6978-6982.	4.6	13
53	Reversal of Diastereoselectivity of the Reaction of Chiral Boron and Titanium Enolates with NitronesviaN-Acyloxyiminium Intermediates. Asymmetric Synthesis of DiastereomericÎ±-SubstitutedÎ²-Amino Acids. Chemistry Letters, 1999, 28, 795-796.	1.3	11
54	Fluorescent Imidazo[1,5-a]pyridinium Salt for a Potential Cancer Therapy Agent. ACS Medicinal Chemistry Letters, 2019, 10, 1110-1114.	2.8	10

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55	Flavinium and Alkaliâ€Metal Assembly on Sulfated Chitin: Aâ€‰Heterogeneous Supramolecular Catalyst for H₂O₂â€Mediated Oxidation. ChemSusChem, 2019, 12, 1640-1645.	6.8	10
56	Ringâ€Expanding Metathesis Oligomerization of Cyclic Nitrones. European Journal of Organic Chemistry, 2014, 2014, 5670-5674.	2.4	9
57	Facile Preparation of Flavinium Organocatalysts. ChemSusChem, 2016, 9, 2769-2773.	6.8	9
58	Synthesis of insoluble polystyreneâ€supported flavins and their catalysis in aerobic reduction of olefins. Journal of Polymer Science Part A, 2017, 55, 1706-1713.	2.3	7
59	Suppression of protein adsorption on a graphene surface by phosphorylcholine functionalization. Japanese Journal of Applied Physics, 2019, 58, 055001.	1.5	7
60	Visible-light-induced oxidative coupling reaction of benzylic amines using iridium(III) complex of pincer type imidazo[1,5-a]pyridine ligand. Tetrahedron Letters, 2020, 61, 151782.	1.4	7
61	Enzyme-like Regiodivergent Behavior of a Flavopeptide Catalyst in Aerobic Baeyer-Villiger Oxidation. Chimia, 2018, 72, 866-869.	0.6	6
62	Greener Preparation of 5â€Ethylâ€4aâ€hydroxyisoalloxazine and Its Use for Catalytic Aerobic Oxygenations. European Journal of Organic Chemistry, 2019, 2019, 1791-1795.	2.4	6
63	Aggregationâ€induced Substrate Specificity in Aerobic Reduction of Olefins with Ultrasound Gel Catalyst of Synthetic Flavin. ChemCatChem, 2019, 11, 878-884.	3.7	6
64	Lowâ€Voltageâ€Driven Electrochemical Aerobic Oxygenation with Flavin Catalysis: Chemoselective Synthesis of Sulfoxides from Sulfides. Advanced Synthesis and Catalysis, 2022, 364, 2443-2448.	4.3	6
65	Highly Fluorescent Flavins: Rational Molecular Design for Quenching Protection Based on Repulsive and Attractive Control of Molecular Alignment. Chemistry - A European Journal, 2015, 21, 9171-9178.	3.3	5
66	Two- and three-photon excitable quaternized imidazo[1,2-a]pyridines as mitochondrial imaging and potent cancer therapy agents. Organic and Biomolecular Chemistry, 2020, 18, 7571-7576.	2.8	5
67	Preparation of flavin-containing mesoporous network polymers and their catalysis. Tetrahedron Letters, 2020, 61, 151710.	1.4	5
68	Facile Construction of Benzofulvene Scaffold from Tetraaryl[3]cumulene Through Electrophilic Iodocyclization. European Journal of Organic Chemistry, 2021, 2021, 235-238.	2.4	5
69	Two-photon excitable boron complex based on tridentate imidazo[1,5-a]pyridine ligand for heavy-atom-free mitochondria-targeted photodynamic therapy. RSC Advances, 2021, 11, 26403-26407.	3.6	5
70	Palladium and Rhodium Catalyzed Carbonylation. Carbonylation of Allylic Compounds and Cross Double Carbonylation of Amines and Alcohols.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1991, 49, 919-927.	0.1	4
71	Effect of stereochemistry on the catalytic activity of flavopeptides. Tetrahedron Letters, 2021, 73, 153107.	1.4	4
72	Synthesis of Optically Active Polyguanidines by Polyaddition Reaction of Biscarbodiimides with Chiral Diamines. ACS Omega, 2021, 6, 33215-33223.	3.5	4

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73	Synthesis and electrochemical behavior of clothespin-shaped bisflavin compounds. Tetrahedron Letters, 2008, 49, 2523-2526.	1.4	3
74	Determination of acid dissociation constants of flavin analogues by capillary zone electrophoresis. Electrophoresis, 2020, 41, 1316-1325.	2.4	3
75	BrÃ¸nsted Acid Catalysed Aerobic Reduction of Olefins by Diimide Generated In Situ from Hydrazine. SynOpen, 2017, 01, 0011-0014.	1.7	2
76	An uncommon use of irradiated flavins: BrÃ¸nsted acid catalysis. Chemical Communications, 2020, 56, 5661-5664.	4.1	2
77	Unexpected formation of poly-functionalized fulvenes by the reaction of a tetraaryl[5]cumulene with iodine. Organic and Biomolecular Chemistry, 2021, 19, 7594-7597.	2.8	2
78	New reagents. X. Reagents for functionalization. N-methylphenylaminophosphonium iodide.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1990, 48, 1056-1057.	0.1	2
79	Effect of Phenolic Substituent Position in Boron Complexes of Imidazo[1,5â€a]pyridine. Asian Journal of Organic Chemistry, 0, , .	2.7	2
80	The Tsujiâ€“Trost Reaction and Related Carbonâ€“Carbon Bond Formation Reactions: Palladium-Catalyzed Substitution Reactions of Nitrogen and Other Group 15 Atom-Containing Allylic Derivatives. , 0, , 1817-1825.		1
81	Synthesis and Optical Properties of Quadrupolar Pyridinium Salt and Its Application as Bioimaging Agent. Chemistry Letters, 2020, 49, 1487-1489.	1.3	1
82	Noncovalent Modification Strategy with Achiral Phosphoric Acid Diesters for Designing a Chiral BrÃ¸nsted Base Organocatalyst. Bulletin of the Chemical Society of Japan, 2022, 95, 553-555.	3.2	1
83	Flavin-Catalyzed Oxidations of Sulfides and Amines with Molecular Oxygen.. ChemInform, 2003, 34, no.	0.0	0
84	An Aerobic, Organocatalytic, and Chemoselective Method for Baeyerâ€”Villiger Oxidation.. ChemInform, 2005, 36, no.	0.0	0
85	Nucleophilic Addition to Nitrones Using a Flow Microreactor. Synlett, 2020, 31, 866-870.	1.8	0
86	Alloxazinium-Resins as Readily Available and Reusable Oxidation Catalysts. Bulletin of the Chemical Society of Japan, 2021, 94, 1728-1730.	3.2	0
87	Synthesis of Dâ€“Ï€â€“A type benzothiazoleâ€“pyridinium salt composite and its application as photo-degradation agent for amyloid fibrils. Bioorganic and Medicinal Chemistry Letters, 2021, 50, 128324.	2.2	0