

# Yukihiro Arakawa

## List of Publications by Year in descending order

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39  
papers

550  
citations

933447

10  
h-index

642732

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Recovery and Reuse of an Immobilized Peptidic Organocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1201-1206.	4.3	84
2	Enamine Catalysis in Flow with an Immobilized Peptidic Catalyst. <i>ChemSusChem</i> , 2013, 6, 242-245.	6.8	82
3	An Immobilization Method of Chiral Quaternary Ammonium Salts onto Polymer Supports. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8232-8235.	13.8	75
4	Asymmetric Transfer Hydrogenation of Aromatic Ketones in Water using a Polymer-Supported Chiral Catalyst Containing a Hydrophilic Pendant Group. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2295-2304.	4.3	74
5	Design of peptide-containing N5-unmodified neutral flavins that catalyze aerobic oxygenations. <i>Chemical Science</i> , 2017, 8, 5468-5475.	7.4	43
6	Advanced flavin catalysts elaborated with polymers. <i>Polymer Journal</i> , 2018, 50, 941-949.	2.7	16
7	Synthesis of polymers containing chiral 1,2-diamine derivatives and their application to asymmetric reactions. <i>Pure and Applied Chemistry</i> , 2007, 79, 1471-1479.	1.9	13
8	Efficient Use of Photons in Photoredox/Enamine Dual Catalysis with a Peptide-Bridged Flavin-Amine Hybrid. <i>Organic Letters</i> , 2019, 21, 6978-6982.	4.6	13
9	Flavinium and Alkali-Metal Assembly on Sulfated Chitin: A Heterogeneous Supramolecular Catalyst for H <sub>2</sub> O <sub>2</sub> -Mediated Oxidation. <i>ChemSusChem</i> , 2019, 12, 1640-1645.	6.8	10
10	Capillary Electrophoresis/Dynamic Frontal Analysis for the Enzyme Assay of 4-Nitrophenyl Phosphate with Alkaline Phosphatase. <i>Analytical Sciences</i> , 2020, 36, 829-834.	1.6	10
11	Facile Preparation of Flavinium Organocatalysts. <i>ChemSusChem</i> , 2016, 9, 2769-2773.	6.8	9
12	Inhibition Assay of Theophylline by Capillary Electrophoresis/Dynamic Frontal Analysis on the Hydrolysis of <i>p</i> -Nitrophenyl Phosphate with Alkaline Phosphatase. <i>Chemistry Letters</i> , 2020, 49, 681-684.	1.3	9
13	Kinetic analysis of substrate competition in enzymatic reactions with $\beta$ -D-galactosidase by capillary electrophoresis / dynamic frontal analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113390.	2.8	9
14	Kinetic analysis of the transphosphorylation with creatine kinase by pressure-assisted capillary electrophoresis/dynamic frontal analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1453-1460.	3.7	8
15	Synthesis of insoluble polystyrene-supported flavins and their catalysis in aerobic reduction of olefins. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1706-1713.	2.3	7
16	Enzyme-like Regiodivergent Behavior of a Flavopeptide Catalyst in Aerobic Baeyer-Villiger Oxidation. <i>Chimia</i> , 2018, 72, 866-869.	0.6	6
17	Polyethylene Glycols for the Dispersion Development of Graphene in an Aqueous Surfactant Solution Studied by Affinity Capillary Electrophoresis. <i>Analytical Sciences</i> , 2019, 35, 307-313.	1.6	6
18	Greener Preparation of 5-Ethyl-4-hydroxyisoalloxazine and Its Use for Catalytic Aerobic Oxygenations. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1791-1795.	2.4	6

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19	Migration Behavior of Carbon Nanotube in Capillary Electrophoresis with Sodium Dodecyl Sulfate and Water-Soluble Nonionic Polymer. <i>Chromatography</i> , 2017, 38, 101-106.	1.7	5
20	Preparation of flavin-containing mesoporous network polymers and their catalysis. <i>Tetrahedron Letters</i> , 2020, 61, 151710.	1.4	5
21	Analysis of Acid Dissociation Equilibrium of Bupropion by Capillary Zone Electrophoresis After the Heat-Degradation. <i>Chromatography</i> , 2016, 37, 105-109.	1.7	4
22	Effect of stereochemistry on the catalytic activity of flavopeptides. <i>Tetrahedron Letters</i> , 2021, 73, 153107.	1.4	4
23	Synthesis of Optically Active Polyguanidines by Polyaddition Reaction of Biscarbodiimides with Chiral Diamines. <i>ACS Omega</i> , 2021, 6, 33215-33223.	3.5	4
24	Determination of Acid Dissociation Constants of Hydrochlorothiazide and Its Degradant through Measurement of the Effective Electrophoretic Mobilities in CZE. <i>Bunseki Kagaku</i> , 2017, 66, 509-514.	0.2	3
25	Determination of acid dissociation constants of flavin analogues by capillary zone electrophoresis. <i>Electrophoresis</i> , 2020, 41, 1316-1325.	2.4	3
26	Determination of Two-Steps Acid Dissociation Constants of L-Ascorbic Acid by Capillary Zone Electrophoresis. <i>Chromatography</i> , 2021, 42, 49-54.	1.7	3
27	Dispersion of Graphene in an Aqueous Solution with Poly(sodium 4-styrenesulfonate) Monitored by Capillary Electrophoresis. <i>Chromatography</i> , 2019, 40, 121-126.	1.7	3
28	Brønsted Acid Catalysed Aerobic Reduction of Olefins by Diimide Generated In Situ from Hydrazine. <i>SynOpen</i> , 2017, 01, 0011-0014.	1.7	2
29	Solid-phase Visual Colorimetry for Trace As(III) Using a Nanofiber-composite Membrane Filter. <i>Bunseki Kagaku</i> , 2017, 66, 363-368.	0.2	2
30	An uncommon use of irradiated flavins: Brønsted acid catalysis. <i>Chemical Communications</i> , 2020, 56, 5661-5664.	4.1	2
31	Determination of Acid Dissociation Constants of Degradable Catecholamines by CZE. <i>Bunseki Kagaku</i> , 2019, 68, 871-876.	0.2	2
32	Capillary Electrophoretic Characterization of Carbon Nanodots Prepared from Glutamic Acid in an Electric Furnace. <i>Chromatography</i> , 2020, 41, 103-107.	1.7	2
33	An Immobilization Method of Chiral Quaternary Ammonium Salts onto Polymer Supports. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8983-8983.	13.8	1
34	An Improved Reflection Colorimeter Integrated with a Coaxial Optical-fiber Cable for Highly Sensitive Solid-phase Colorimetry Using a Membrane Filter. <i>Analytical Sciences</i> , 2021, 37, 1045-1048.	1.6	1
35	Capillary Electrophoretic Characterization of Water-soluble Carbon Nanodots Formed from Glutamic Acid and Boric Acid under Microwave Irradiation. <i>Analytical Sciences</i> , 2020, 36, 941-946.	1.6	1
36	Noncovalent Modification Strategy with Achiral Phosphoric Acid Diesters for Designing a Chiral Brønsted Base Organocatalyst. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 553-555.	3.2	1

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37	An Immobilization Method of Chiral Quaternary Ammonium Salts onto Polymer Supports. <i>Angewandte Chemie</i> , 2008, 120, 9119-9119.	2.0	0
38	Nucleophilic Addition to Nitrones Using a Flow Microreactor. <i>Synlett</i> , 2020, 31, 866-870.	1.8	0
39	Alloxazinium-Resins as Readily Available and Reusable Oxidation Catalysts. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1728-1730.	3.2	0