

# Koichi Wada

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,581  
citations

687363

13  
h-index

501196

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1995  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation design for poorly water-soluble drugs based on biopharmaceutics classification system: Basic approaches and practical applications. <i>International Journal of Pharmaceutics</i> , 2011, 420, 1-10.	5.2	920
2	Quantification of suppression of bitterness using an electronic tongue. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 2042-2048.	3.3	70
3	The Gathering Problem for Two Oblivious Robots with Unreliable Compasses. <i>SIAM Journal on Computing</i> , 2012, 41, 26-46.	1.0	70
4	Microenvironmental pH-modification to improve dissolution behavior and oral absorption for drugs with pH-dependent solubility. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 505-516.	5.0	67
5	Detection of Suppression of Bitterness by Sweet Substance Using a Multichannel Taste Sensor. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 552-555.	3.3	54
6	Quantification of suppression of bitterness using an electronic tongue. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 2042-2048.	3.3	53
7	How to Prove Impossibility Under Global Fairness: On the Complexity of Self-Stabilizing Leader Election on a Population Protocol Model. <i>Theory of Computing Systems</i> , 2012, 50, 433-445.	1.1	41
8	Bitterness prediction of H1-antihistamines and prediction of masking effects of artificial sweeteners using an electronic tongue. <i>International Journal of Pharmaceutics</i> , 2013, 441, 121-127.	5.2	41
9	Improved dissolution and absorption of ketoconazole in the presence of organic acids as pH-modifiers. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 225-230.	4.0	34
10	Novel formulations of dipyridamole with microenvironmental pH-modifiers for improved dissolution and bioavailability under hypochlorhydria. <i>International Journal of Pharmaceutics</i> , 2012, 434, 148-154.	5.2	29
11	Improved dissolution and pharmacokinetic behavior of dipyridamole formulation with microenvironmental pH-modifier under hypochlorhydria. <i>International Journal of Pharmaceutics</i> , 2012, 426, 61-66.	5.2	27
12	Importance of excipient wettability on tablet characteristics prepared by moisture activated dry granulation (MADG). <i>International Journal of Pharmaceutics</i> , 2013, 456, 58-64.	5.2	22
13	Space-efficient self-stabilizing counting population protocols on mobile sensor networks. <i>Theoretical Computer Science</i> , 2014, 552, 99-108.	0.9	18
14	The importance of binder moisture content in Metformin HCL high-dose formulations prepared by moist aqueous granulation (MAG). <i>Results in Pharma Sciences</i> , 2015, 5, 1-7.	4.2	13
15	The effect of water activity on granule characteristics and tablet properties produced by moisture activated dry granulation (MADG). <i>Powder Technology</i> , 2016, 294, 113-118.	4.2	11
16	Novel, lean and environment-friendly granulation method: Green fluidized bed granulation (GFBG). <i>International Journal of Pharmaceutics</i> , 2019, 557, 18-25.	5.2	11
17	Novel oral formulation approach for poorly water-soluble drug using lipocalin-type prostaglandin D synthase. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 74, 77-85.	4.0	10
18	A pattern formation algorithm for a set of autonomous distributed robots with agreement on orientation along one axis. <i>Systems and Computers in Japan</i> , 2006, 37, 89-100.	0.2	9

#	ARTICLE	IF	CITATIONS
19	CoAd: A cluster based adhoc cognitive radio networks architecture with broadcasting protocol. , 2013, , .		9
20	New Dipyridamole Salt with Improved Dissolution and Oral Bioavailability under Hypochlorhydric Conditions. Drug Metabolism and Pharmacokinetics, 2013, 28, 383-390.	2.2	9
21	Improved Dissolution of Dipyridamole with the Combination of pH-Modifier and Solid Dispersion Technology. Chemical and Pharmaceutical Bulletin, 2017, 65, 426-431.	1.3	9
22	A Measurement Coding System for Block-Based Compressive Sensing Images by Using Pixel-Domain Features. , 2019, , .		8
23	Development of pH-Independent Drug Release Formulation Using Lipocalin-Type Prostaglandin D Synthase. Journal of Pharmaceutical Sciences, 2016, 105, 2735-2742.	3.3	7
24	Application of an In Vitro Dissolution/Permeation System to Early Screening of Oral Formulations of Poorly Soluble, Weakly Basic Drugs Containing an Acidic pH-Modifier. Journal of Pharmaceutical Sciences, 2018, 107, 2404-2410.	3.3	7
25	Brief Announcement: Optimal Asynchronous Rendezvous for Mobile Robots with Lights. Lecture Notes in Computer Science, 2017, , 484-488.	1.3	7
26	Importance of free water in controlling granule and tablet properties in a novel granulation method, green fluidized bed granulation (GFGB). International Journal of Pharmaceutics, 2019, 570, 118647.	5.2	6
27	On the Computational Power of Energy-Constrained Mobile Robots: Algorithms and Cross-Model Analysis. Lecture Notes in Computer Science, 2022, , 42-61.	1.3	4
28	Distributed Algorithms for Cooperative Mobile Robots: A Survey. , 2011, , .		3
29	Manufacturability and Properties of Granules and Tablets Using the Eco-Friendly Granulation Method Green Fluidized Bed Granulation Compared to Direct Compression. Chemical and Pharmaceutical Bulletin, 2021, 69, 447-455.	1.3	3
30	Using Model Checking to Formally Verify Rendezvous Algorithms for Robots with Lights in Euclidean Space. , 2020, , .		3
31	Rendezvous of Asynchronous Mobile Robots with Lights. Lecture Notes in Computer Science, 2018, , 434-448.	1.3	2
32	Area-time complexity on a vlsi model with boundary layout assumption. Systems and Computers in Japan, 1986, 17, 67-75.	0.2	1
33	Fault-tolerant network routings for $(k + 1)$ -node connected and $(k + 1)$ -edge connected graphs. Systems and Computers in Japan, 1987, 18, 50-60.	0.2	1
34	Effects of Manufacturing Methods on Dissolution and Absorption of Ketoconazole in the Presence of Organic Acid as a pH Modifier. AAPS PharmSciTech, 2017, 18, 1203-1212.	3.3	1
35	Forgive and forget: Self-stabilizing swarms in spite of Byzantine robots. Concurrency Computation Practice and Experience, 2023, 35, e6123.	2.2	1
36	Optimal Time Algorithm for the Node-Connectivity Augmentation Problem for Ternary Trees. Systems and Computers in Japan, 1986, 17, 56-65.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Embedding area of $d$ -way shuffle graph on a VLSI model. Systems and Computers in Japan, 1986, 17, 10-19.	0.2	0
38	Maximum lower bound on embedding areas of general graphs. Systems and Computers in Japan, 1989, 20, 39-52.	0.2	0
39	The minimum number of sliding operations of palettes in a two-dimensional automatic warehouse of size $N \times M$ ( $N, M \geq 3$ ) with three spaces. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 1996, 79, 95-111.	0.1	0
40	Efficient algorithms for some $k$ -partition problem of graphs. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq0 0 0 rgBT /Overclock 10df 50 617		
41	Doubly-expedited one-step Byzantine consensus. , 2010, , .		0