Koichi Wada

List of Publications by Year
in descending order

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	Forgive and forget: Selfâ€stabilizing swarms in spite of Byzantine robots. Concurrency Computation Practice and Experience, 2023, 35, e6123.	2.2	1
2	On theÂComputational Power ofÂEnergy-Constrained Mobile Robots: Algorithms andÂCross-Model Analysis. Lecture Notes in Computer Science, 2022, , 42-61.	1.3	4
3	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
4	Using Model Checking to Formally Verify Rendezvous Algorithms for Robots with Lights in Euclidean Space. , 2020, , .		3
5	A Measurement Coding System for Block-Based Compressive Sensing Images by Using Pixel-Domain Features. , 2019, , .		8
6	Importance of free water in controlling granule and tablet properties in a novel granulation method, green fluidized bed granulation (GFBG). International Journal of Pharmaceutics, 2019, 570, 118647.	5.2	6
7	Novel, lean and environment-friendly granulation method: Green fluidized bed granulation (GFBG). International Journal of Pharmaceutics, 2019, 557, 18-25.	5.2	11
8	Rendezvous of Asynchronous Mobile Robots with Lights. Lecture Notes in Computer Science, 2018, , 434-448.	1.3	2
9	Application of an InÂVitro 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
10	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
11	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
12	Brief Announcement: Optimal Asynchronous Rendezvous for Mobile Robots with Lights. Lecture Notes in Computer Science, 2017, , 484-488.	1.3	7
13	Development of pH-Independent Drug Release Formulation Using Lipocalin-Type Prostaglandin D Synthase. Journal of Pharmaceutical Sciences, 2016, 105, 2735-2742.	3.3	7
14	The effect of water activity on granule characteristics and tablet properties produced by moisture activated dry granulation (MADG). Powder Technology, 2016, 294, 113-118.	4.2	11
15	The importance of binder moisture content in Metformin HCL high-dose formulations prepared by moist aqueous granulation (MAG). Results in Pharma Sciences, 2015, 5, 1-7.	4.2	13
16	Improved dissolution and absorption of ketoconazole in the presence of organic acids as pH-modifiers. European Journal of Pharmaceutical Sciences, 2015, 76, 225-230.	4.0	34
17	Novel oral formulation approach for poorly water-soluble drug using lipocalin-type prostaglandin D synthase. European Journal of Pharmaceutical Sciences, 2015, 74, 77-85.	4.0	10
18	Microenvironmental pH-modification to improve dissolution behavior and oral absorption for drugs with pH-dependent solubility. Expert Opinion on Drug Delivery, 2014, 11, 505-516.	5.0	67

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19	Space-efficient self-stabilizing counting population protocols on mobile sensor networks. Theoretical Computer Science, 2014, 552, 99-108.	0.9	18
20	Bitterness prediction of H1-antihistamines and prediction of masking effects of artificial sweeteners using an electronic tongue. International Journal of Pharmaceutics, 2013, 441, 121-127.	5.2	41
21	CoAd: A cluster based adhoc cognitive radio networks architecture with broadcasting protocol. , 2013, , .		9
22	Importance of excipient wettability on tablet characteristics prepared by moisture activated dry granulation (MADG). International Journal of Pharmaceutics, 2013, 456, 58-64.	5.2	22
23	New Dipyridamole Salt with Improved Dissolution and Oral Bioavailability under Hypochlorhydric Conditions. Drug Metabolism and Pharmacokinetics, 2013, 28, 383-390.	2.2	9
24	The Gathering Problem for Two Oblivious Robots with Unreliable Compasses. SIAM Journal on Computing, 2012, 41, 26-46.	1.0	70
25	Improved dissolution and pharmacokinetic behavior of dipyridamole formulation with microenvironmental pH-modifier under hypochlorhydria. International Journal of Pharmaceutics, 2012, 426, 61-66.	5.2	27
26	Novel formulations of dipyridamole with microenvironmental pH-modifiers for improved dissolution and bioavailability under hypochlorhydria. International Journal of Pharmaceutics, 2012, 434, 148-154.	5.2	29
27	How to Prove Impossibility Under Global Fairness: OnÂSpaceÂComplexity of Self-Stabilizing Leader Election on a Population Protocol Model. Theory of Computing Systems, 2012, 50, 433-445.	1.1	41
28	Distributed Algorithms for Cooperative Mobile Robots: A Survey. , 2011, , .		3
29	Formulation design for poorly water-soluble drugs based on biopharmaceutics classification system: Basic approaches and practical applications. International Journal of Pharmaceutics, 2011, 420, 1-10.	5.2	920
30	Doubly-expedited one-step Byzantine consensus. , 2010, , .		0
31	A pattern formation algorithm for a set of autonomous distributed robots with agreement on orientation along one axis. Systems and Computers in Japan, 2006, 37, 89-100.	0.2	9
32	Quantification of suppression of bitterness using an electronic tongue. Journal of Pharmaceutical Sciences, 2001, 90, 2042-2048.	3.3	70
33	Quantification of suppression of bitterness using an electronic tongue. Journal of Pharmaceutical Sciences, 2001, 90, 2042-2048.	3.3	53
34	Detection of Suppression of Bitterness by Sweet Substance Using a Multichannel Taste Sensor. Journal of Pharmaceutical Sciences, 1998, 87, 552-555.	3.3	54
35	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 ETQq1 1 0.784314 rgBT /Overlock 10		
36	The minimum number of sliding operations of palettes in a two-dimensional automatic warehouse of sizeN Ã— M (N, M â‰¥ 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

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37	Maximum lower bound on embedding areas of general graphs. Systems and Computers in Japan, 1989, 20, 39-52.	0.2	0
38	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
39	Optimalâ€Time Algorithm for the kâ€Nodeâ€Connectivity Augmentation Problem for Ternary Trees. Systems and Computers in Japan, 1986, 17, 56-65.	0.2	0
40	Embedding area of dâ€way shuffle graph on a VLSI model. Systems and Computers in Japan, 1986, 17, 10-19.	0.2	0
41	Area-time complexity on a vlsi model with boundary layout assumption. Systems and Computers in Japan, 1986, 17, 67-75.	0.2	1