

Martin Bichler

List of Publications by Year in descending order

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106
papers

2,799
citations

331259

21
h-index

197535

49
g-index

124
all docs

124
docs citations

124
times ranked

2006
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong substitutes: structural properties, and a new algorithm for competitive equilibrium prices. <i>Mathematical Programming</i> , 2024, 203, 611-643.	1.6	1
2	Taming the Communication and Computation Complexity of Combinatorial Auctions: The FUEL Bid Language. <i>Management Science</i> , 2023, 69, 2217-2238.	2.4	3
3	Pricing in Nonconvex Markets: How to Price Electricity in the Presence of Demand Response. <i>Information Systems Research</i> , 2023, 34, 652-675.	2.2	2
4	Electricity Markets in a Time of Change: A Call to Arms for Business Research. <i>Schmalenbachs Zeitschrift Fur Betriebswirtschaftliche Forschung</i> , 2022, 74, 77-102.	0.5	14
5	The beauty of Dutch: Bidding behavior in combinatorial first-price procurement auctions. <i>European Journal of Operational Research</i> , 2021, 291, 711-721.	3.5	5
6	Walrasian equilibria from an optimization perspective: A guide to the literature. <i>Naval Research Logistics</i> , 2021, 68, 496-513.	1.4	9
7	How to Assign Scarce Resources Without Money: Designing Information Systems that are Efficient, Truthful, and (Pretty) Fair. <i>Information Systems Research</i> , 2021, 32, 335-355.	2.2	3
8	Randomized Scheduling Mechanisms: Assigning Course Seats in a Fair and Efficient Way. <i>Production and Operations Management</i> , 2021, 30, 3540.	2.1	1
9	Learning equilibria in symmetric auction games using artificial neural networks. <i>Nature Machine Intelligence</i> , 2021, 3, 687-695.	8.3	8
10	Strategyproof auction mechanisms for network procurement. <i>OR Spectrum</i> , 2020, 42, 965-994.	2.1	2
11	Non-monetary coordination mechanisms for time slot allocation in warehouse delivery. <i>European Journal of Operational Research</i> , 2020, 286, 897-907.	3.5	11
12	Comments on: Shared resources in collaborative vehicle routing. <i>Top</i> , 2020, 28, 21-24.	1.1	1
13	Designing Environmental Markets for Trading Catch Shares. <i>Interfaces</i> , 2019, 49, 324-337.	1.6	0
14	First-price Split-award Auctions in Procurement Markets with Economies of Scale: An Experimental Study. <i>Production and Operations Management</i> , 2019, 28, 721-739.	2.1	6
15	The beauty of Dutch: Ex-post split-award auctions in procurement markets with diseconomies of scale. <i>European Journal of Operational Research</i> , 2019, 278, 202-210.	3.5	11
16	Coordination Is Hard: Electronic Auction Mechanisms for Increased Efficiency in Transportation Logistics. <i>Management Science</i> , 2019, 65, 5884-5900.	2.4	24
17	Computing Core-Stable Outcomes in Combinatorial Exchanges with Financially Constrained Bidders. , 2019, , .		1
18	A simple and fast algorithm for convex decomposition in relax-and-round mechanisms. <i>Computers and Operations Research</i> , 2019, 103, 277-287.	2.4	0

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19	Designing combinatorial exchanges for the reallocation of resource rights. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 786-791.	3.3	12
20	Truthfulness in advertising? Approximation mechanisms for knapsack bidders. European Journal of Operational Research, 2018, 270, 775-783.	3.5	1
21	Why the Community Should Care About Technology-Centric Journal Rankings. Business and Information Systems Engineering, 2018, 60, 91-93.	4.0	0
22	Views on the Past, Present, and Future of Business and Information Systems Engineering. Business and Information Systems Engineering, 2018, 60, 443-477.	4.0	17
23	A Matter of Equality: Linear Pricing in Combinatorial Exchanges. Information Systems Research, 2018, 29, 1024-1043.	2.2	4
24	Robotic Process Automation. Business and Information Systems Engineering, 2018, 60, 269-272.	4.0	349
25	A principal-agent model of bidding firms in multi-unit auctions. Games and Economic Behavior, 2018, 111, 20-40.	0.4	5
26	Matching with indifferences: A comparison of algorithms in the context of course allocation. European Journal of Operational Research, 2017, 260, 268-282.	3.5	27
27	Truthfulness with value-maximizing bidders: On the limits of approximation in combinatorial markets. European Journal of Operational Research, 2017, 260, 767-777.	3.5	6
28	Coalition-Based Pricing in Ascending Combinatorial Auctions. Information Systems Research, 2017, 28, 159-179.	2.2	16
29	Core and pricing equilibria in combinatorial exchanges. Economics Letters, 2017, 157, 145-147.	0.9	3
30	Bargaining in spectrum auctions: A review of the German auction in 2015. Telecommunications Policy, 2017, 41, 325-340.	2.6	14
31	Business Analytics and Data Science: Once Again?. Business and Information Systems Engineering, 2017, 59, 77-79.	4.0	31
32	Generalized assignment problem: Truthful mechanism design without money. Operations Research Letters, 2017, 45, 72-76.	0.5	7
33	A Truthful Mechanism for the Generalized Assignment Problem. ACM Transactions on Economics and Computation, 2017, 5, 1-18.	0.7	2
34	Responsible Data Science. Business and Information Systems Engineering, 2017, 59, 311-313.	4.0	68
35	Trans-National Joint Research Projects. Business and Information Systems Engineering, 2017, 59, 205-206.	4.0	0
36	Frontiers in spectrum auction design. International Journal of Industrial Organization, 2017, 50, 372-391.	0.6	10

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37	Algorithmic Economics und Operations Research. , 2017, , 129-139.		0
38	Open Research in Business and Information Systems Engineering. Business and Information Systems Engineering, 2016, 58, 375-379.	4.0	10
39	BISE and the Engineering Sciences. Business and Information Systems Engineering, 2016, 58, 105-106.	4.0	1
40	Theories in Business and Information Systems Engineering. Business and Information Systems Engineering, 2016, 58, 291-319.	4.0	28
41	Ascending Combinatorial Auctions with Risk Averse Bidders. Group Decision and Negotiation, 2016, 25, 609-639.	2.0	4
42	Reproducible experiments on dynamic resource allocation in cloud data centers. Information Systems, 2016, 59, 98-101.	2.4	12
43	(Un)expected Bidder Behavior in Spectrum Auctions: About Inconsistent Bidding and Its Impact on Efficiency in the Combinatorial Clock Auction. Group Decision and Negotiation, 2016, 25, 31-63.	2.0	9
44	Truthfulness and Approximation with Value-Maximizing Bidders. Lecture Notes in Computer Science, 2016, , 235-246.	1.0	6
45	Split Award Procurement Auctions – Can Bayesian Equilibrium Strategies Predict Human Bidding Behavior in Multi-Object Auctions?. Production and Operations Management, 2015, 24, 1012-1027.	2.1	15
46	Internationalization of Information Systems Research and Teaching. Business and Information Systems Engineering, 2015, 57, 225-228.	4.0	4
47	Compact Bid Languages and Core Pricing in Large Multi-item Auctions. Management Science, 2015, 61, 1684-1703.	2.4	25
48	Practice Impact of IS Research. Business and Information Systems Engineering, 2015, 57, 87-89.	4.0	7
49	More than bin packing: Dynamic resource allocation strategies in cloud data centers. Information Systems, 2015, 52, 83-95.	2.4	49
50	Language Change. Business and Information Systems Engineering, 2014, 6, 317-317.	4.0	0
51	Heterogenität und Qualität in der Wirtschaftsinformatikforschung. Business & Information Systems Engineering, 2014, 56, 341-344.	0.5	0
52	Diversity and Quality in BISE Research. Business and Information Systems Engineering, 2014, 6, 313-316.	4.0	5
53	Spectrum auction design: Simple auctions for complex sales. Telecommunications Policy, 2014, 38, 613-622.	2.6	28
54	Course Allocation via Stable Matching. Business and Information Systems Engineering, 2014, 6, 97-110.	4.0	15

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55	Emerging Research Areas in Business and Information Systems Engineering. Business and Information Systems Engineering, 2014, 6, 1-2.	4.0	3
56	Reflections on the State of Design Science Research. Business and Information Systems Engineering, 2014, 6, 71-72.	4.0	9
57	Reflektionen zum Stand der gestaltungsorientierten Wirtschaftsinformatik. Business & Information Systems Engineering, 2014, 56, 79-81.	0.5	0
58	Aktuelle Forschungsfelder der Wirtschaftsinformatik. Business & Information Systems Engineering, 2014, 56, 1-2.	0.5	1
59	Structural Changes in the BISE Editorial Board. Business and Information Systems Engineering, 2013, 5, 211-212.	4.0	1
60	Strukturelle Veränderungen im Editorial Board der WIRTSCHAFTSINFORMATIK/BISE. Business & Information Systems Engineering, 2013, 55, 203-204.	0.5	1
61	Interview with Amit Basu on "The Information Systems Society of the INFORMS". Business and Information Systems Engineering, 2013, 5, 279-280.	4.0	0
62	Interview with Ritu Agarwal on "Information Systems" Research, Teaching, and Community Development". Business and Information Systems Engineering, 2013, 5, 103-105.	4.0	0
63	Do core-selecting Combinatorial Clock Auctions always lead to high efficiency? An experimental analysis of spectrum auction designs. Experimental Economics, 2013, 16, 511-545.	1.0	49
64	Optimization-based decision support for scenario analysis in electronic sourcing markets with volume discounts. Electronic Commerce Research and Applications, 2013, 12, 152-165.	2.5	4
65	Using matrix approximation for high-dimensional discrete optimization problems: Server consolidation based on cyclic time-series data. European Journal of Operational Research, 2013, 227, 62-75.	3.5	18
66	Ascending Combinatorial Auctions with Allocation Constraints: On Game Theoretical and Computational Properties of Generic Pricing Rules. Information Systems Research, 2013, 24, 768-786.	2.2	18
67	Efficiency with Linear Prices? A Game-Theoretical and Computational Analysis of the Combinatorial Clock Auction. Information Systems Research, 2013, 24, 394-417.	2.2	24
68	Spectrum Auction Design: Simple Auctions for Complex Sales. SSRN Electronic Journal, 2013, , .	0.4	0
69	Efficient Deployment of Main-Memory DBMS in Virtualized Data Centers. , 2012, , .		5
70	BISE "Call for Papers Issue 1/2014. Business and Information Systems Engineering, 2012, 4, 297-304.	4.0	0
71	On the impact of package selection in combinatorial auctions: an experimental study in the context of spectrum auction design. Experimental Economics, 2012, 15, 667-692.	1.0	32
72	Efficiency, Auctioneer Revenue, and Bidding Behavior in the Combinatorial Clock Auction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 38-39.	0.2	3

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73	Estimating the effect of word of mouth on churn and cross-buying in the mobile phone market with Markov logic networks. <i>Decision Support Systems</i> , 2011, 51, 361-371.	3.5	55
74	IT Service Management and IT Automation. <i>Business and Information Systems Engineering</i> , 2011, 3, 1-2.	4.0	1
75	BISE " Call for Papers. <i>Business and Information Systems Engineering</i> , 2011, 3, 253-253.	4.0	0
76	IT-Service-Management und IT-Automation. <i>Business & Information Systems Engineering</i> , 2011, 53, 1-2.	0.5	2
77	Compact bidding languages and supplier selection for markets with economies of scale and scope. <i>European Journal of Operational Research</i> , 2011, 214, 67-77.	3.5	25
78	An Experimental Comparison of Linear and Nonlinear Price Combinatorial Auctions. <i>Information Systems Research</i> , 2011, 22, 346-368.	2.2	48
79	Short-term performance management by priority-based queueing. <i>Service Oriented Computing and Applications</i> , 2010, 4, 169-180.	1.3	4
80	A Mathematical Programming Approach for Server Consolidation Problems in Virtualized Data Centers. <i>IEEE Transactions on Services Computing</i> , 2010, 3, 266-278.	3.2	268
81	Research Commentary "Designing Smart Markets. <i>Information Systems Research</i> , 2010, 21, 688-699.	2.2	115
82	On the predictive performance of queueing network models for large-scale distributed transaction processing systems. <i>Information Technology and Management</i> , 2009, 10, 135-149.	1.4	7
83	An Analysis of Design Problems in Combinatorial Procurement Auctions. <i>Business and Information Systems Engineering</i> , 2009, 1, 111-117.	4.0	11
84	A Computational Analysis of Linear Price Iterative Combinatorial Auction Formats. <i>Information Systems Research</i> , 2009, 20, 33-59.	2.2	59
85	Identification of influencers " Measuring influence in customer networks. <i>Decision Support Systems</i> , 2008, 46, 233-253.	3.5	308
86	Knowledge representation concepts for automated SLA management. <i>Decision Support Systems</i> , 2008, 46, 187-205.	3.5	87
87	Admission control for media on demand services. <i>Service Oriented Computing and Applications</i> , 2007, 1, 65-73.	1.3	16
88	Cost accounting for shared IT infrastructures. <i>Business & Information Systems Engineering</i> , 2007, 49, 83-94.	0.5	18
89	A non-parametric estimator for setting reservation prices in procurement auctions. <i>Information Technology and Management</i> , 2006, 7, 157-169.	1.4	7
90	Configurable offers and winner determination in multi-attribute auctions. <i>European Journal of Operational Research</i> , 2005, 160, 380-394.	3.5	173

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91	Service-oriented enterprise applications and Web service composition. Information Systems and E-Business Management, 2005, 3, 101-102.	2.2	3
92	Industrial Procurement Auctions. , 2005, , 593-612.		30
93	Electronic Negotiations: Foundations, Systems and Experiments – Introduction to the Special Issue. Group Decision and Negotiation, 2003, 12, 85-88.	2.0	3
94	Title is missing!. Group Decision and Negotiation, 2003, 12, 265-267.	2.0	0
95	Towards a Structured Design of Electronic Negotiations. Group Decision and Negotiation, 2003, 12, 311-335.	2.0	161
96	An experimental analysis of multi-attribute auctions. Decision Support Systems, 2000, 29, 249-268.	3.5	211
97	(Un)Expected Bidder Behavior in Spectrum Auctions: About Inconsistent Bidding and its Impact on Efficiency in the Combinatorial Clock Auction. SSRN Electronic Journal, 0, , .	0.4	1
98	A Practical Guide to the Combinatorial Clock Auction. , 0, , 170-186.		0
99	Ascending Combinatorial Auctions with Risk Averse Bidders. , 0, , 264-293.		0
100	Budget Constraints in Combinatorial Clock Auctions. , 0, , 318-337.		2
101	(Un)expected Bidder Behavior in Spectrum Auctions: About Inconsistent Bidding and its Impact on Efficiency in the Combinatorial Clock Auction. , 0, , 338-370.		2
102	Coalition-based Pricing in Ascending Combinatorial Auctions. , 0, , 493-528.		0
103	Do Core-Selecting Combinatorial Clock Auctions Lead to High Efficiency? An Experimental Analysis of Spectrum Auction Designs. , 0, , 640-671.		0
104	Bidding Complexities in the Combinatorial Clock Auction. , 0, , 731-747.		1
105	Core-Pricing in Large Multi-Object Auctions: A Market Design for Selling TV-Ads. SSRN Electronic Journal, 0, , .	0.4	0
106	Core Pricing in Combinatorial Exchanges with Financially Constrained Buyers: Computational Hardness and Algorithmic Solutions. Operations Research, 0, , .	1.2	1