

Petr Ekel

List of Publications by Year in descending order

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91
papers

1,482
citations

304602

22
h-index

360920

35
g-index

105
all docs

105
docs citations

105
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy set based intra-urban inequality indicator. <i>Quality and Quantity</i> , 2022, 56, 667-687.	2.0	13
2	Cost of doing business index in Latin America. <i>Quality and Quantity</i> , 2022, 56, 2233-2252.	2.0	11
3	Measuring inequality through a non-compensatory approach. <i>Geo Journal</i> , 2022, 87, 4689-4706.	1.7	5
4	Factors that most expose countries to COVID-19: a composite indicators-based approach. <i>Geo Journal</i> , 2022, 87, 5435-5449.	1.7	10
5	Uncertainty Analysis Applied to the Representation of Multidimensional Social Phenomena. <i>Papers in Applied Geography</i> , 2022, 8, 315-338.	0.8	3
6	Fuzzy set-based approach for grid integration and operation of ultra-fast charging electric buses. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 138, 107919.	3.3	5
7	Representing Multidimensional Phenomena of Geographic Interest: Benefit of the Doubt or Principal Component Analysis?. <i>Professional Geographer</i> , 2022, 74, 758-771.	1.0	4
8	A benefit-to-cost ratio based approach for portfolio selection under multiple criteria with incomplete preference information. <i>Information Sciences</i> , 2021, 545, 487-498.	4.0	54
9	Group Decision-Based Construction of Scenarios for Multicriteria Analysis in Conditions of Uncertainty on the Basis of Quantitative and Qualitative Information. <i>Group Decision and Negotiation</i> , 2021, 30, 665-696.	2.0	4
10	Evaluation of Operational Risk in Power Substations and Its Rational Reduction on the Basis of Multicriteria Allocating Resources. <i>IEEE Access</i> , 2021, 9, 149383-149397.	2.6	3
11	South American business environment cost index: reforms for Brazil. <i>International Journal of Business Environment</i> , 2021, 1, 1.	0.2	1
12	A abordagem da Análise Econômica do Direito em contratações públicas: uma revisão sistemática da literatura do Brasil. <i>Economic Analysis of Law Review</i> , 2021, 12, 110.	0.0	0
13	Evolutionary algorithms and the Preference Ranking Organization Method for Enrichment Evaluations as applied to a multiobjective design of shell-and-tube heat exchangers. <i>Case Studies in Thermal Engineering</i> , 2020, 17, 100564.	2.8	6
14	Multiattribute Spatial Decision-Making for Qualitative Information Processing as Applied to the Renewable Energy Generating Sites Prospection. <i>IEEE Access</i> , 2020, 8, 137745-137757.	2.6	7
15	Expand or Oversize? Planning Internet Access Network in a Demand Growth Scenario. <i>Journal of Network and Systems Management</i> , 2020, 28, 1820-1838.	3.3	4
16	Structural Equation Modeling Applied to Internet Consumption Forecast in Brazil. <i>IEEE Access</i> , 2020, 8, 161816-161824.	2.6	3
17	Measuring Intra-Urban Inequality with Structural Equation Modeling: A Theory-Grounded Indicator. <i>Sustainability</i> , 2020, 12, 8610.	1.6	14
18	Local tissue electrical parameters predict oral mucositis in HNSCC patients: A diagnostic accuracy double-blind, randomized controlled trial. <i>Scientific Reports</i> , 2020, 10, 9530.	1.6	5

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19	Multi-criteria decision-making under uncertainty conditions of a shell-and-tube heat exchanger. International Journal of Heat and Mass Transfer, 2020, 155, 119716.	2.5	11
20	Geomarketing e o problema da quest�o locacional nos estudos de marketing. Revista Brasileira De Marketing, 2020, 19, 448-469.	0.1	3
21	Reduzindo custos de sistemas preventivos de descargas atmosf�ricas por otimiza�o locacional. GOT - Revista De Geografia E Ordenamento Do Territ�rio, 2020, , 149-166.	0.1	0
22	Swarm intelligence and fuzzy sets for bed exit detection of elderly. Journal of Intelligent and Fuzzy Systems, 2020, 39, 1061-1072.	0.8	1
23	Two-stage multicriteria georeferenced express analysis of new electric transmission line projects. International Journal of Electrical Power and Energy Systems, 2019, 108, 415-431.	3.3	13
24	Continuous results-driven innovation management program. REGE Revista De Gest�o, 2019, 26, 389-408.	1.0	2
25	Multicriteria decision making under conditions of uncertainty in application to multiobjective allocation of resources. Information Fusion, 2019, 49, 249-261.	11.7	32
26	An Efficient Parallel Implementation of an Optimized Simplex Method in GPU-CUDA. IEEE Latin America Transactions, 2018, 16, 564-573.	1.2	1
27	Forecasting Internet Demand Using Public Data: A Case Study in Brazil. IEEE Access, 2018, 6, 65974-65980.	2.6	6
28	Two-Stage Optimization Combining PSO and TOPSIS for Allocation of Energy Storage in Electric Power Systems. , 2018, , .		0
29	Multi-Objective Genetic Algorithm Implemented on a STM32F Microcontroller. , 2018, , .		0
30	Medidas e escalas de desigualdade de renda em perspectiva. GOT - Revista De Geografia E Ordenamento Do Territ�rio, 2018, , 287-314.	0.1	5
31	An interval space reducing method for constrained problems with particle swarm optimization. Applied Soft Computing Journal, 2017, 59, 405-417.	4.1	14
32	Choosing the best evolutionary algorithm to optimize the multiobjective shell-and-tube heat exchanger design problem using PROMETHEE. Applied Thermal Engineering, 2017, 127, 1049-1061.	3.0	23
33	MONITORING THE STATOR CURRENT IN INDUCTION MACHINES FOR POSSIBLE FAULT DETECTION: A FUZZY/BAYESIAN APPROACH FOR THE PROBLEM OF TIME SERIES MULTIPLE CHANGE POINT DETECTION. Pesquisa Operacional, 2016, 36, 301-320.	0.1	0
34	Multiobjective and multiattribute decision making in a fuzzy environment and their power engineering applications. Information Sciences, 2016, 361-362, 100-119.	4.0	36
35	A new fault classification approach applied to Tennessee Eastman benchmark process. Applied Soft Computing Journal, 2016, 49, 676-686.	4.1	38
36	On multicriteria decision making under conditions of uncertainty. Information Sciences, 2015, 324, 44-59.	4.0	28

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37	A Web-based Decision Support Center for Electrical Energy Companies. IEEE Transactions on Fuzzy Systems, 2015, 23, 16-28.	6.5	12
38	Fuzzy set based multicriteria decision making in power engineering problems. , 2013, , .		1
39	Sensitivity and functionally oriented models for power system planning, operation, and control. International Journal of Electrical Power and Energy Systems, 2013, 45, 489-500.	3.3	9
40	Construction of nonreciprocal fuzzy preference relations with the use of preference functions. Pesquisa Operacional, 2013, 33, 305-323.	0.1	5
41	A fuzzy genetic algorithm for automatic orthogonal graph drawing. Applied Soft Computing Journal, 2012, 12, 1379-1389.	4.1	10
42	A dynamic consensus scheme based on a nonreciprocal fuzzy preference relation modeling. Information Sciences, 2012, 211, 1-17.	4.0	76
43	Fuzzy Set Based Consensus Schemes for Multicriteria Group Decision making Applied to Strategic Planning. Group Decision and Negotiation, 2012, 21, 153-183.	2.0	74
44	Multicriteria analysis based on constructing payoff matrices and applying methods of decision making in a fuzzy environment. Optimization and Engineering, 2011, 12, 5-29.	1.3	8
45	Decision making in fuzzy environment and multicriteria power engineering problems. International Journal of Electrical Power and Energy Systems, 2011, 33, 623-632.	3.3	32
46	A flexible consensus scheme for multicriteria group decision making under linguistic assessments. Information Sciences, 2010, 180, 1075-1089.	4.0	197
47	Fuzzy set based models and methods of multicriteria group decision making. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, e409-e419.	0.6	29
48	Improved asymptotic stability analysis for uncertain delayed state neural networks. Chaos, Solitons and Fractals, 2009, 39, 240-247.	2.5	14
49	Novel stability criteria for uncertain delayed Cohen-Grossberg neural networks using discretized Lyapunov functional. Chaos, Solitons and Fractals, 2009, 41, 2387-2393.	2.5	8
50	Multicriteria analysis in decision making under information uncertainty. Applied Mathematics and Computation, 2008, 200, 501-516.	1.4	46
51	Análise de estabilidade assintótica e exponencial em redes neurais artificiais sujeitas a retardo no tempo e a incertezas do tipo politípicas. Controle and Automacao, 2008, 19, 115-127.	0.2	0
52	Models and methods of decision making in fuzzy environment and their applications to power engineering problems. Numerical Linear Algebra With Applications, 2007, 14, 369-390.	0.9	20
53	Discrete optimization algorithms and problems of decision making in a fuzzy environment. Nonlinear Analysis: Hybrid Systems, 2007, 1, 593-602.	2.1	2
54	Asymptotic stability analysis in uncertain multi-delayed state neural networks via Lyapunov-Krasovskii theory. Mathematical and Computer Modelling, 2007, 45, 1350-1362.	2.0	26

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55	Decision making in a fuzzy environment and its application to multicriteria power engineering problems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2007, 1, 527-536.	2.1	24
56	Algorithms of discrete optimization and their application to problems with fuzzy coefficients. <i>Information Sciences</i> , 2006, 176, 2846-2868.	4.0	42
57	Fuzzy preference modeling and its application to multiobjective decision making. <i>Computers and Mathematics With Applications</i> , 2006, 52, 179-196.	1.4	20
58	Fuzzy set based multiobjective allocation of resources and its applications. <i>Computers and Mathematics With Applications</i> , 2006, 52, 197-210.	1.4	20
59	Parallel Image Segmentation in Reconfigurable Chip Multiprocessors. <i>Lecture Notes in Computer Science</i> , 2006, , 728-737.	1.0	0
60	RCMP: A Reconfigurable Chip-Multiprocessor Architecture. <i>Lecture Notes in Computer Science</i> , 2006, , 94-103.	1.0	0
61	A Parallel Implementation of the Finite Volume Method for the Simulation of the Natural Convection in a Closed Cavity. <i>Lecture Notes in Computer Science</i> , 2006, , 748-757.	1.0	0
62	Synthetic realization approach to fuzzy global optimization via gamma algorithm. <i>Mathematical and Computer Modelling</i> , 2005, 41, 1457-1468.	2.0	23
63	Fuzzy set-based multiobjective allocation of resources: Solution algorithms and applications. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 63, e715-e724.	0.6	5
64	Fuzzy preference relations in models of decision making. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 63, e735-e741.	0.6	14
65	Delay-dependent robust H^∞ control of uncertain linear systems with lumped delays. <i>IET Control Theory and Applications</i> , 2005, 152, 27-33.	1.7	46
66	Delay-dependent robust H^∞ control of uncertain linear systems with time-varying delays. <i>Computers and Mathematics With Applications</i> , 2005, 50, 13-32.	1.4	30
67	Fuzzy Logic Based Control of Voltage and Reactive Power in Subtransmission System. <i>Lecture Notes in Computer Science</i> , 2005, , 332-337.	1.0	0
68	Artificial Neural Network Engine: Parallel and Parameterized Architecture Implemented in FPGA. <i>Lecture Notes in Computer Science</i> , 2005, , 294-299.	1.0	2
69	Fuzzy Preference Relations and Multiobjective Decision Making. , 2005, , 83-92.		1
70	Cubic algorithm for global optimization with box and equality constraints and application to optimal allocation of resources. <i>Mathematical and Computer Modelling</i> , 2004, 40, 63-76.	2.0	3
71	Box-triangular multiobjective linear programs for resource allocation with application to load management and energy market problems. <i>Mathematical and Computer Modelling</i> , 2003, 37, 1-17.	2.0	28
72	Fuzzy Coefficients and Fuzzy Preference Relations in Models of Decision Making. <i>Lecture Notes in Computer Science</i> , 2003, , 229-236.	1.0	1

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73	Fuzzy Preference Relations: Methods and Power Engineering Applications. Opsearch, 2002, 39, 34-45.	1.1	6
74	Fuzzy sets and models of decision making. Computers and Mathematics With Applications, 2002, 44, 863-875.	1.4	66
75	Methods of decision making in fuzzy environment and their applications. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 979-990.	0.6	24
76	Approach to decision making in fuzzy environment. Computers and Mathematics With Applications, 1999, 37, 59-71.	1.4	17
77	Methods of multicriteria decision making in fuzzy environment and their applications to transmission and distribution problems. , 1999, , .		6
78	A general approach to solving a wide class of fuzzy optimization problems. Fuzzy Sets and Systems, 1998, 97, 49-66.	1.6	66
79	Fuzzy set theory and problems of the design and control of power systems and subsystems. , 0, , .		11
80	Methods of soft computing in modelling and controlling power systems and subsystems. , 0, , .		0
81	A fuzzy decision making for the distribution systems planning. , 0, , .		3
82	Methods of multicriteria decision making in fuzzy environment and their applications. , 0, , .		1
83	Fuzzy set theory based emergency control for power distribution systems. , 0, , .		0
84	The Weighting of Composite Indicators from the Perspective of Consensus. SSRN Electronic Journal, 0, , .	0.4	0
85	EVIDENCE OF THE NEGATIVE RELATIONSHIP OF TRANSACTION COSTS IN THE ECONOMIC PERFORMANCE OF G7+BRICS COUNTRIES. SSRN Electronic Journal, 0, , .	0.4	1
86	Imposto Predial e Territorial Urbano: tratando especialmente desafios econÃmicos, sociais e polÃticos. Urbe, 0, 12, .	0.3	4
87	UMA ABORDAGEM PARA PROJETOS DE LINHAS DE DISTRIBUIÃFO POR ALTIMETRIA UTILIZANDO MÃ%TODO DE OTIMIZAÃFO POR ALGORITMOS EVOLUCIONÃRIOS. , 0, , .		0
88	ALOCAÃFO O ÃTIMA DE FONTES DE ARMAZENAMENTO DE ENERGIA PARA REDUÃFO DO CUSTO DE OPERAÃFO DO SISTEMA ELÃ%TRICO. , 0, , .		0
89	AGREGAÃFO DE MÃ%TRICAS DE RISCO COM O OPERADOR OWA APLICADA A COMERCIALIZAÃFO DE ENERGIA. , 0, , .		0
90	OtimizaÃo da InstalaÃo de Armazenamento de Energia em Sistemas ElÃtricos de PotÃncia com InjeÃo de Fontes RenovÃveis. , 0, , .		0

#	ARTICLE	IF	CITATIONS
91	Previsão de Demanda de Energia Elétrica Utilizando Modelos Lineares. , 0, , .		0