Peng Wu

List of Publications by Year
in descending order

62 papers	1,855 citations	304743 22 h-index	265206 42 g-index
63 all docs	63 docs citations	63 times ranked	1864 citing authors

#	Article	IF	Citations
1	Accelerating charging dynamics in subnanometre pores. Nature Materials, 2014, 13, 387-393.	27.5	303
2	Complex Capacitance Scaling in Ionic Liquids-Filled Nanopores. ACS Nano, 2011, 5, 9044-9051.	14.6	188
3	Measuring regional transport sustainability using super-efficiency SBM-DEA with weighting preference. Journal of Cleaner Production, 2020, 242, 118474.	9.3	117
4	Ultralow Thermal Conductivity and Ultrahigh Thermal Expansion of Single-Crystal Organic–Inorganic Hybrid Perovskite $CH_3NH_3PbX_3$ (X = Cl, Br, I). Journal of Physical Chemistry C, 2018, 122, 15973-15978.	3.1	93
5	Thermal expansion performance and intrinsic lattice thermal conductivity of ferroelastic $RETaO_4$ ceramics. Journal of the American Ceramic Society, 2019, 102, 4809-4821.	3.8	88
6	Improved Quantum-Inspired Evolutionary Algorithm for Large-Size Lane Reservation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1535-1548.	9.3	79
7	Voltage Dependent Charge Storage Modes and Capacity in Subnanometer Pores. Journal of Physical Chemistry Letters, 2012, 3, 1732-1737.	4.6	77
8	Bi-criteria single-machine batch scheduling with machine on/off switching under time-of-use tariffs. Computers and Industrial Engineering, 2017, 112, 721-734.	6.3	71
9	Potential thermal barrier coating materials: RE_3NbO_7 (RE=La, Nd, Sm, Eu, Gd, Dy) ceramics. Journal of the American Ceramic Society, 2018, 101, 4503-4508.	3.8	66
10	An Improved Exact <inline-formula> <tex-math notation="TeX">ε</tex-math></inline-formula>-Constraint and Cut-and-Solve Combined Method for Biobjective Robust Lane Reservation. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1479-1492.	8.0	64
11	Interval-Valued Intuitionistic Uncertain Linguistic Cloud Petri Net and Its Application to Risk Assessment for Subway Fire Accident. IEEE Transactions on Automation Science and Engineering, 2022, 19, 163-177.	5.2	54
12	Bi-Objective Scheduling of Fire Engines for Fighting Forest Fires: New Optimization Approaches. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1140-1151.	8.0	42
13	Physical origins of apparently enhanced viscosity of interfacial fluids in electrokinetic transport. Physics of Fluids, 2011, 23, .	4.0	39
14	The glass-like thermal conductivity in ZrO2-Dy3TaO7 ceramic for promising thermal barrier coating application. Applied Physics Letters, 2018, 112, .	3.3	39
15	The thermo–mechanical properties and ferroelastic phase transition of $RENbO_4$ (RE=Y, La,) Tj ETQq1 1 0.784314 rgB	3.8	36
16	Structure and thermal properties of Al2O3-doped Gd3TaO7 as potential thermal barrier coating. Journal of the European Ceramic Society, 2019, 39, 2210-2214.	5.7	35
17	Exact and Heuristic Algorithms for Rapid and Station Arrival-Time Guaranteed Bus Transportation via Lane Reservation. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2028-2043.	8.0	34
18	Effect of Al^{3+} doping on mechanical and thermal properties of $DyTaO_4$ as promising thermal barrier coating application. Journal of the American Ceramic Society, 2018, 101, 1818-1823.	3.8	32

#	Article	IF	Citations
19	Theoretical and experimental investigations of mechanical properties for polymorphous $YTaO_4$ ceramics. Journal of the American Ceramic Society, 2019, 102, 7656-7664.	3.8	30
20	An efficient two-phase exact algorithm for the automated truck freight transportation problem. Computers and Industrial Engineering, 2017, 110, 59-66.	6.3	27
21	Investigation on microstructures and thermo-physical properties of ferroelastic (Y1-xDyx)TaO4 ceramics. Materialia, 2018, 4, 478-486.	2.7	25
22	Fe–Co based synergistic catalytic graphitization of biomass: Influence of the catalyst type and the pyrolytic temperature. Energy, 2022, 239, 122262.	8.8	25
23	Dual-Objective Optimization for Lane Reservation With Residual Capacity and Budget Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2187-2197.	9.3	24
24	Optimization thermophysical properties of TiO_2 alloying Sm_3TaO_7 ceramics as promising thermal barrier coatings. International Journal of Applied Ceramic Technology, 2019, 16, 230-242.	2.1	21
25	Resource–Constrained Emergency Scheduling for Forest Fires with Priority Areas: An Efficient Integer–Programming Approach. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 261-270.	1.4	18
26	Investigation of the thermophysical properties of (Y1-xYbx)TaO4 ceramics. Journal of the European Ceramic Society, 2020, 40, 3111-3121.	5.7	18
27	Synthesis and thermophysics properties of ferroelastic SmNb1-XTaXO4 ceramics. Ceramics International, 2018, 44, 13999-14006.	4.8	17
28	Novel Formulations and Logic-Based Benders Decomposition for the Integrated Parallel Machine Scheduling and Location Problem. INFORMS Journal on Computing, 2022, 34, 1048-1069.	1.7	17
29	The effect of ZrO_2 alloying on the microstructures and thermal properties of $DyTaO_4$ for high–temperature application. Journal of the American Ceramic Society, 2019, 102, 889-895.	3.8	16
30	Large-scale energy-conscious bi-objective single-machine batch scheduling under time-of-use electricity tariffs via effective iterative heuristics. Annals of Operations Research, 2021, 296, 471-494.	4.1	16
31	Environmental performance of Chinese listing manufacturing enterprise: from investment perspective. Environmental Science and Pollution Research, 2019, 26, 6625-6635.	5.3	12
32	A New Efficient Algorithm for Hazardous Material Transportation Problem via Lane Reservation. IEEE Access, 2019, 7, 175290-175301.	4.2	11
33	Cost-Profit Trade-Off for Optimally Locating Automotive Service Firms Under Uncertainty. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1014-1025.	8.0	10
34	Optimizing Locations and Qualities of Multiple Facilities With Competition via Intelligent Search. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5092-5105.	8.0	9
35	Novel Formulations and Improved Differential Evolution Algorithm for Optimal Lane Reservation With Task Merging. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21329-21344.	8.0	9
36	A bus lane reservation problem in urban bus transit network. , 2014, , .		8

#	Article	IF	Citations
37	A bi-objective decision model and method for the integrated optimization of bus line planning and lane reservation. Journal of Combinatorial Optimization, 2022, 43, 1298-1327.	1.3	8
38	Performance Evaluation of Combining with Medical and Old-Age Care in Pension Institutions of China: A Two-Stage Data Envelopment Analysis. Risk Management and Healthcare Policy, 2021, Volume 14, 4211-4222.	2.5	8
39	Order Assignment and Scheduling for Personal Protective Equipment Production During the Outbreak of Epidemics. IEEE Transactions on Automation Science and Engineering, 2022, 19, 692-708.	5.2	7
40	An integrated approach for a new flexible multi-product disassembly line balancing problem. Computers and Operations Research, 2022, 148, 105932.	4.0	7
41	Analysis of the attention to COVID-19 epidemic based on visibility graph network. Modern Physics Letters B, 2021, 35, 2150316.	1.9	6
42	Novel efficient formulation and matheuristic for large-sized unrelated parallel machine scheduling with release dates. International Journal of Production Research, 2022, 60, 6104-6123.	7.5	6
43	Optimal bus lane reservation with uncertain impact. , 2018, , .		5
44	Critical airports of the world air sector network based on the centrality and entropy theory. International Journal of Modern Physics B, 2021, 35, 2150081.	2.0	5
45	Hydrodynamic Properties of Polymers Screening the Electrokinetic Flow: Insights from a Computational Study. Polymers, 2019, 11, 1038.	4.5	4
46	Na0.78CoO2 as a novel microwave absorbing material. Ceramics International, 2022, 48, 8740-8745.	4.8	4
47	Impacts of expiration date on optimal ordering policy for deteriorating items under two-level trade credit: Quantity loss and quality loss. Journal of the Operational Research Society, 0, , 1-34.	3.4	3
48	A decision model and method for the bi-objective parallel machine ScheLoc problem. , 2020, , .		3
49	Optimal lane reservation via new optimization model and heuristic algorithm. , 2018, , .		2
50	Sailing Route and Speed Optimization for Green Intermodal Transportation. , 2020, , .		2
51	Novel distribution-free model and method for stochastic disassembly line balancing with limited distributional information. Journal of Combinatorial Optimization, 2022, 43, 1423-1446.	1.3	2
52	A Multi-objective Emergency Scheduling Model for Forest Fires with Priority Areas. , 2020, , .		2
53	Model and solution for lane reservation problem with optimally grouping tasks. , 2018, , .		1
54	A fuzzy goal programming approach for solving fuzzy multi-objective stochastic linear programming problem. , 2019, , .		1

#	Article	IF	Citations
55	A bi-objective model for bus transit network and lane reservation integrated optimization. , 2019, , .		1
56	Retailerâ€™s Optimal Procurement Strategy under Supply Disruption and Stochastic Demand: Backup Sourcing or Simultaneous Sourcing. Complexity, 2020, 2020, 1-15.	1.6	1
57	Determining the Optimal Location of Vehicle Inspection Facilities Under Uncertainty via New Optimization Approaches. IEEE Access, 2020, 8, 38229-38238.	4.2	1
58	Optimal Design of Reserved Lanes for Automated Truck Considering User Equilibrium. , 2021, , .		1
59	Model for the multiple depots heterogeneous dial-aride problem with flexible depots. , 2017, , .		0
60	Mixed-integer programming for unrelated parallel machines scheduling problem considering electricity cost and makespan penalty cost. , 2019, , .		0
61	A decision model for optimal lane reservation with task merging and residual capacity constraints. , 2019, , .		0
62	Non-monotonic variation of flow strength in nanochannels grafted with end-charged polyelectrolyte layers. RSC Advances, 2022, 12, 4061-4071.	3.6	0