Jie Sun

List of Publications by Year
in descending order

385 papers	13,160 citations	22153 59 h-index	39675 94 g-index
399 all docs	399 docs citations	399 times ranked	12876 citing authors

#	Article	IF	Citations
1	A nonsmooth version of Newton's method. Mathematical Programming, 1993, 58, 353-367.	2.4	1,190
2	2D/2D Ti3C2 MXene/g-C3N4 nanosheets heterojunction for high efficient CO2 reduction photocatalyst: Dual effects of urea. Applied Catalysis B: Environmental, 2020, 268, 118738.	20.2	417
3	Effect of carbon-dots modification on the structure and photocatalytic activity of g-C3N4. Applied Catalysis B: Environmental, 2016, 185, 225-232.	20.2	331
4	A review on the utilization of hybrid renewable energy. Renewable and Sustainable Energy Reviews, 2018, 91, 1121-1147.	16.4	273
5	From CVaR to Uncertainty Set: Implications in Joint Chance-Constrained Optimization. Operations Research, 2010, 58, 470-485.	1.9	241
6	Semismooth Matrix-Valued Functions. Mathematics of Operations Research, 2002, 27, 150-169.	1.3	159
7	Title is missing!. Computational Optimization and Applications, 2003, 25, 39-56.	1.6	153
8	Graphene Conductance Uniformity Mapping. Nano Letters, 2012, 12, 5074-5081.	9.1	152
9	Metallic 3-D Printed Antennas for Millimeter- and Submillimeter Wave Applications. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 592-600.	3.1	149
10	Synthesis Methods of Two-Dimensional MoS2: A Brief Review. Crystals, 2017, 7, 198.	2.2	138
11	(Bi, C and N) codoped TiO2 nanoparticles. Journal of Hazardous Materials, 2009, 161, 396-401.	12.4	137
12	Aerobic oxidation of biomass derived 5-hydroxymethylfurfural into 5-hydroxymethyl-2-furancarboxylic acid catalyzed by a montmorillonite K-10 clay immobilized molybdenum acetylacetonate complex. Green Chemistry, 2014, 16, 2762.	9.0	129
13	Duet Fe₃C and FeN_x Sites for H₂O₂ Generation and Activation toward Enhanced Electro-Fenton Performance in Wastewater Treatment. Environmental Science & Technology, 2021, 55, 1260-1269.	10.0	128
14	Drastic promoting the visible photoreactivity of layered carbon nitride by polymerization of dicyandiamide at high pressure. Applied Catalysis B: Environmental, 2018, 232, 330-339.	20.2	123
15	A versatile cobalt catalyst for the reductive amination of carbonyl compounds with nitro compounds by transfer hydrogenation. Applied Catalysis B: Environmental, 2017, 210, 522-532.	20.2	118
16	Review of synergistic photo-thermo-catalysis: Mechanisms, materials and applications. International Journal of Hydrogen Energy, 2020, 45, 30288-30324.	7.1	118
17	Unveiling the charge transfer dynamics steered by built-in electric fields in BiOBr photocatalysts. Nature Communications, 2022, 13, 2230.	12.8	117
18	Hierarchical porous carbon materials derived from waste lentinus edodes by a hybrid hydrothermal and molten salt process for supercapacitor applications. Applied Surface Science, 2018, 462, 862-871.	6.1	110

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19	Frame assisted H2O electrolysis induced H2 bubbling transfer of large area graphene grown by chemical vapor deposition on Cu. Applied Physics Letters, 2013, 102, .	3.3	109
20	Selective and metal-free oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran over nitrogen-doped carbon materials. Green Chemistry, 2018, 20, 4946-4956.	9.0	107
21	The rate of convergence of the augmented Lagrangian method for nonlinear semidefinite programming. Mathematical Programming, 2008, 114, 349-391.	2.4	106
22	Semismooth Homeomorphisms and Strong Stability of Semidefinite and Lorentz Complementarity Problems. Mathematics of Operations Research, 2003, 28, 39-63.	1.3	99
23	LÃ¶wner's Operator and Spectral Functions in Euclidean Jordan Algebras. Mathematics of Operations Research, 2008, 33, 421-445.	1.3	97
24	Synthesis and characterization of ZnO and TiO2 hollow spheres with enhanced photoreactivity. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 158, 40-47.	3.5	96
25	The emerging landscape of salivary diagnostics. Periodontology 2000, 2016, 70, 38-52.	13.4	95
26	Strong Semismoothness of the Fischer-Burmeister SDC and SOC Complementarity Functions. Mathematical Programming, 2005, 103, 575-581.	2.4	94
27	In-situ investigation on the microstructure evolution and plasticity of two magnesium alloys during three-point bending. International Journal of Plasticity, 2015, 72, 218-232.	8.8	92
28	Numerical study of parabolic-trough direct steam generation loop in recirculation mode: Characteristics, performance and general operation strategy. Energy Conversion and Management, 2015, 96, 287-302.	9.2	92
29	Solid electrolyte interphase manipulation towards highly stable hard carbon anodes for sodium ion batteries. Energy Storage Materials, 2020, 25, 324-333.	18.0	92
30	One-step construction of Pickering emulsion via commercial TiO2 nanoparticles for photocatalytic dye degradation. Applied Catalysis B: Environmental, 2019, 249, 1-8.	20.2	89
31	Global Convergence of Conjugate Gradient Methods without Line Search. Annals of Operations Research, 2001, 103, 161-173.	4.1	87
32	T resident helper cells promote humoral responses in the lung. Science Immunology, 2021, 6, .	11.9	85
33	Magnetic material grafted cross-linked imidazolium based polyionic liquids: an efficient acid catalyst for the synthesis of promising liquid fuel 5-ethoxymethylfurfural from carbohydrates. Journal of Materials Chemistry A, 2015, 3, 4992-4999.	10.3	84
34	High oxygen reduction reaction performance nitrogen-doped biochar cathode: A strategy for comprehensive utilizing nitrogen and carbon in water hyacinth. Bioresource Technology, 2018, 267, 524-531.	9.6	82
35	Inertial accelerated algorithms for solving a split feasibility problem. Journal of Industrial and Management Optimization, 2017, 13, 1383-1394.	1.3	82
36	Large-area uniform graphene-like thin films grown by chemical vapor deposition directly on silicon nitride. Applied Physics Letters, 2011, 98, .	3.3	81

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37	Room-Temperature Potassiumâ€“Sulfur Batteries Enabled by Microporous Carbon Stabilized Small-Molecule Sulfur Cathodes. ACS Nano, 2019, 13, 2536-2543.	14.6	80
38	Thermal load and bending analysis of heat collection element of direct-steam-generation parabolic-trough solar power plant. Applied Thermal Engineering, 2017, 127, 1530-1542.	6.0	79
39	Density functional theory calculations for evaluation of phosphorene as a potential anode material for magnesium batteries. RSC Advances, 2018, 8, 7196-7204.	3.6	77
40	Wogonin prevents lipopolysaccharideâ€induced acute lung injury and inflammation in mice via peroxisome proliferatorâ€activated receptor gammaâ€mediated attenuation of the nuclear factorâ€kappaB pathway. Immunology, 2014, 143, 241-257.	4.4	76
41	Towards high ductility in magnesium alloys - The role of intergranular deformation. International Journal of Plasticity, 2019, 123, 121-132.	8.8	76
42	Effect of phase structures on the photocatalytic activity of surface fluorinated TiO2. Applied Catalysis B: Environmental, 2010, 95, 383-392.	20.2	75
43	Photocatalytic degradation pathway for azo dye in TiO2/UV/O3 system: Hydroxyl radical versus hole. Journal of Molecular Catalysis A, 2013, 367, 31-37.	4.8	73
44	Vertically Aligned Graphene Coating is Bactericidal and Prevents the Formation of Bacterial Biofilms. Advanced Materials Interfaces, 2018, 5, 1701331.	3.7	72
45	Transcriptome analysis providing novel insights for Cd-resistant tall fescue responses to Cd stress. Ecotoxicology and Environmental Safety, 2018, 160, 349-356.	6.0	70
46	A Regularized Smoothing Newton Method for Symmetric Cone Complementarity Problems. SIAM Journal on Optimization, 2008, 19, 1028-1047.	2.0	69
47	Catalyst-Free, Selective Growth of ZnO Nanowires on SiO₂ by Chemical Vapor Deposition for Transfer-Free Fabrication of UV Photodetectors. ACS Applied Materials & Interfaces, 2015, 7, 20264-20271.	8.0	69
48	Synergistic effects of hollow structure and surface fluorination on the photocatalytic activity of titania. Journal of Hazardous Materials, 2010, 173, 539-543.	12.4	67
49	Noncatalytic chemical vapor deposition of graphene on high-temperature substrates for transparent electrodes. Applied Physics Letters, 2012, 100, .	3.3	66
50	Heat transfer and pressure drop during condensation of R152a in circular and square microchannels. Experimental Thermal and Fluid Science, 2013, 47, 60-67.	2.7	66
51	On the onset of surface condensation: formation and transition mechanisms of condensation mode. Scientific Reports, 2016, 6, 30764.	3.3	65
52	Promise and Challenge of Phosphorus in Science, Technology, and Application. Advanced Functional Materials, 2018, 28, 1803471.	14.9	65
53	Prospective fully-coupled multi-level analytical methodology for concentrated solar power plants: General modelling. Applied Thermal Engineering, 2017, 118, 171-187.	6.0	64
54	Robust multi-objective optimal switching control arising in 1,3-propanediol microbial fed-batch process. Nonlinear Analysis: Hybrid Systems, 2017, 25, 1-20.	3.5	63

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55	Test of a solar parabolic trough collector with rotatable axis tracking. Applied Energy, 2017, 207, 7-17.	10.1	63
56	HDAC8 cooperates with SMAD3/4 complex to suppress SIRT7 and promote cell survival and migration. Nucleic Acids Research, 2020, 48, 2912-2923.	14.5	63
57	Solution Methodologies for the Smallest Enclosing Circle Problem. Computational Optimization and Applications, 2003, 25, 283-292.	1.6	62
58	An optimized tracking strategy for small-scale double-axis parabolic trough collector. Applied Thermal Engineering, 2017, 112, 1408-1420.	6.0	62
59	Global convergence of nonmonotone descent methods for unconstrained optimization problems. Journal of Computational and Applied Mathematics, 2002, 146, 89-98.	2.0	61
60	Thermodynamic evaluation of a novel solar-biomass hybrid power generation system. Energy Conversion and Management, 2017, 142, 296-306.	9.2	61
61	Self-sacrificial template synthesis of heteroatom doped porous biochar for enhanced electrochemical energy storage. Journal of Power Sources, 2021, 488, 229455.	7.8	61
62	Remarkable improved electro-Fenton efficiency by electric-field-induced catalysis of CeO2. Journal of Hazardous Materials, 2018, 350, 88-97.	12.4	60
63	Controllable chemical vapor deposition of large area uniform nanocrystalline graphene directly on silicon dioxide. Journal of Applied Physics, 2012, 111, .	2.5	59
64	BCL6 modulates tissue neutrophil survival and exacerbates pulmonary inflammation following influenza virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11888-11893.	7.1	58
65	Low Partial Pressure Chemical Vapor Deposition of Graphene on Copper. IEEE Nanotechnology Magazine, 2012, 11, 255-260.	2.0	57
66	Electrical Properties of Self-Assembled Branched InAs Nanowire Junctions. Nano Letters, 2008, 8, 1100-1104.	9.1	56
67	Growth mechanism of graphene on platinum: Surface catalysis and carbon segregation. Applied Physics Letters, 2014, 104, .	3.3	56
68	Solving monotone stochastic variational inequalities and complementarity problems by progressive hedging. Mathematical Programming, 2019, 174, 453-471.	2.4	56
69	Strong Semismoothness of Eigenvalues of Symmetric Matrices and Its Application to Inverse Eigenvalue Problems. SIAM Journal on Numerical Analysis, 2002, 40, 2352-2367.	2.3	55
70	Prospective fully-coupled multi-level analytical methodology for concentrated solar power plants: Applications. Applied Thermal Engineering, 2017, 118, 159-170.	6.0	55
71	Ti powder-assisted synthesis of Ti³⁺ self-doped TiO₂ nanosheets with enhanced visible-light photoactivity. RSC Advances, 2014, 4, 19588-19593.	3.6	53
72	A new solar receiver/reactor structure for hydrogen production. Energy Conversion and Management, 2017, 133, 118-126.	9.2	53

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73	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. Journal of Extracellular Vesicles, 2015, 4, 26533.	12.2	51
74	Graphene GaN-Based Schottky Ultraviolet Detectors. IEEE Transactions on Electron Devices, 2015, 62, 2802-2808.	3.0	50
75	Analysis of third-party warehousing contracts with commitments. European Journal of Operational Research, 2001, 131, 603-610.	5.7	49
76	Scale effect on flow and thermal boundaries in microâ€ſnanoâ€¢channel flow using molecular dynamicsâ€“continuum hybrid simulation method. International Journal for Numerical Methods in Engineering, 2010, 81, 207-228.	2.8	49
77	A modified alternating direction method for convex quadratically constrained quadratic semidefinite programs. European Journal of Operational Research, 2010, 207, 1210-1220.	5.7	49
78	Phytohormones-induced senescence efficiently promotes the transport of cadmium from roots into shoots of plants: A novel strategy for strengthening of phytoremediation. Journal of Hazardous Materials, 2020, 388, 122080.	12.4	48
79	Oroxylin a prevents inflammationâ€related tumor through downâ€regulation of inflammatory gene expression by inhibiting NFâ€ºB signaling. Molecular Carcinogenesis, 2014, 53, 145-158.	2.7	47
80	A trust region algorithm for minimization of locally Lipschitzian functions. Mathematical Programming, 1994, 66, 25-43.	2.4	46
81	Some Properties of the Augmented Lagrangian in Cone Constrained Optimization. Mathematics of Operations Research, 2004, 29, 479-491.	1.3	46
82	A Squared Smoothing Newton Method for Nonsmooth Matrix Equations and Its Applications in Semidefinite Optimization Problems. SIAM Journal on Optimization, 2004, 14, 783-806.	2.0	46
83	(Pro)renin Receptor Inhibition Reprograms Hepatic Lipid Metabolism and Protects Mice From Diet-Induced Obesity and Hepatosteatosis. Circulation Research, 2018, 122, 730-741.	4.5	46
84	Novel Multilayer ACF@rGO@OMC Cathode Composite with Enhanced Activity for Electro-Fenton Degradation of Phthalic Acid Esters. Industrial & Engineering Chemistry Research, 2016, 55, 11085-11096.	3.7	45
85	Oxidative degradation of dye pollutants over a broad pH range using hydrogen peroxide catalyzed by FePz(dtnCl2)4. Chemosphere, 2009, 77, 1146-1151.	8.2	44
86	Influence of graphene synthesizing techniques on the photocatalytic performance of grapheneâ€“TiO₂nanocomposites. Physical Chemistry Chemical Physics, 2013, 15, 15528-15537.	2.8	43
87	Topological construction of phosphorus and carbon composite and its application in energy storage. Energy Storage Materials, 2019, 20, 343-372.	18.0	43
88	Deacetylase-independent function of SIRT6 couples GATA4 transcription factor and epigenetic activation against cardiomyocyte apoptosis. Nucleic Acids Research, 2020, 48, 4992-5005.	14.5	43
89	Global convergence of a two-parameter family of conjugate gradient methods without line search. Journal of Computational and Applied Mathematics, 2002, 146, 37-45.	2.0	42
90	A study of fatigue damage development in extruded Mgâ€“Gdâ€“Y magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 209-216.	5.6	40

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91	Hydrogen peroxide assisted rapid synthesis of TiO2 hollow microspheres with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2014, 147, 789-795.	20.2	40
92	Nitric oxide alleviates toxicity of hexavalent chromium on tall fescue and improves performance of photosystem II. Ecotoxicology and Environmental Safety, 2018, 164, 32-40.	6.0	40
93	Characterization of the Gh4CL gene family reveals a role of Gh4CL7 in drought tolerance. BMC Plant Biology, 2020, 20, 125.	3.6	40
94	A novel efficient electrode material: Activated carbon fibers grafted by ordered mesoporous carbon. Electrochemistry Communications, 2013, 28, 67-70.	4.7	39
95	Quantum Hall effect in graphene decorated with disordered multilayer patches. Applied Physics Letters, 2013, 103, .	3.3	39
96	An Algorithm for Convex Quadratic Programming That RequiresO(n3.5L) Arithmetic Operations. Mathematics of Operations Research, 1990, 15, 342-363.	1.3	38
97	A method of Analytic Centers for Quadratically Constrained Convex Quadratic Programs. SIAM Journal on Numerical Analysis, 1991, 28, 529-544.	2.3	38
98	Poly(p-phenylenediamine) fluorescent nanosphere: A ultra-sensitive fluorescent probe for caffeine. Synthetic Metals, 2013, 181, 86-91.	3.9	38
99	Ultrahigh Surfaceâ€Enhanced Raman Scattering of Graphene from Au/Graphene/Au Sandwiched Structures with Subnanometer Gap. Advanced Optical Materials, 2016, 4, 2021-2027.	7.3	38
100	New Strategy for Black Phosphorus Crystal Growth through Ternary Clathrate. Crystal Growth and Design, 2017, 17, 6579-6585.	3.0	38
101	Transient characteristics of a parabolic trough direct-steam-generation process. Renewable Energy, 2019, 135, 800-810.	8.9	38
102	Roughness effect on flow and thermal boundaries in microchannel/nanochannel flow using molecular dynamicsâ€continuum hybrid simulation. International Journal for Numerical Methods in Engineering, 2012, 89, 2-19.	2.8	37
103	Templated Growth of Covalently Bonded Threeâ€Dimensional Carbon Nanotube Networks Originated from Graphene. Advanced Materials, 2012, 24, 1576-1581.	21.0	37
104	Toxic effects of cadmium on tall fescue and different responses of the photosynthetic activities in the photosystem electron donor and acceptor sides. Scientific Reports, 2017, 7, 14387.	3.3	36
105	Robust multi-period portfolio selection based on downside risk with asymmetrically distributed uncertainty set. European Journal of Operational Research, 2020, 285, 81-95.	5.7	36
106	Extremely low density InAs quantum dots realized in situ on (100) GaAs. Nanotechnology, 2004, 15, 1763-1766.	2.6	35
107	Preparation and corrosion resistance of cerium conversion coatings on AZ91D magnesium alloy by a cathodic electrochemical treatment. Surface and Coatings Technology, 2014, 254, 42-48.	4.8	35
108	Ferric iron reduction reaction electro-Fenton with gas diffusion device: A novel strategy for improvement of comprehensive efficiency in electro-Fenton. Journal of Hazardous Materials, 2021, 412, 125195.	12.4	34

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109	A Mechanism for Highly Efficient Electrochemical Bubbling Delamination of CVDâ€Grown Graphene from Metal Substrates. Advanced Materials Interfaces, 2016, 3, 1500492.	3.7	33
110	Performance assessment of hybrid solar energy and coal-fired power plant based on feed-water preheating. Energy, 2017, 128, 830-838.	8.8	33
111	A Distributionally Robust Linear Receiver Design for Multi-Access Space-Time Block Coded MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 464-474.	9.2	33
112	Transcriptome Sequencing and Metabolome Analysis Reveal Genes Involved in Pigmentation of Green-Colored Cotton Fibers. International Journal of Molecular Sciences, 2019, 20, 4838.	4.1	33
113	Enhanced visible-light photocatalysis of clofibric acid using graphitic carbon nitride modified by cerium oxide nanoparticles. Journal of Hazardous Materials, 2021, 405, 124204.	12.4	33
114	Nitric oxide alleviates cadmium toxicity in tall fescue photosystem II on the electron donor side. Environmental and Experimental Botany, 2017, 137, 110-118.	4.2	32
115	Optimal Set Partitioning. SIAM Journal on Algebraic and Discrete Methods, 1985, 6, 163-170.	0.8	31
116	Generalized stationary points and an interior-point method for mathematical programs with equilibrium constraints. Mathematical Programming, 2004, 101, 231.	2.4	31
117	Double-potential electro-Fenton: A novel strategy coupling oxygen reduction reaction and Fe2+/Fe3+ recycling. Electrochemistry Communications, 2018, 94, 55-58.	4.7	31
118	Comparative transcriptome combined with metabolome analyses revealed key factors involved in nitric oxide (NO)-regulated cadmium stress adaptation in tall fescue. BMC Genomics, 2020, 21, 601.	2.8	31
119	Frequency mixing and phase detection functionalities of three-terminal ballistic junctions. Nanotechnology, 2007, 18, 195205.	2.6	30
120	Memristive and Memcapacitive Characteristics of a Au/Tiâ€“ $hbox{HfO}_{2}$-InP/InGaAs Diode. IEEE Electron Device Letters, 2011, 32, 131-133.	3.9	30
121	Efficient path of distributed solar energy system synergetically combining photovoltaics with solar-syngas fuel cell. Energy Conversion and Management, 2018, 173, 704-714.	9.2	30
122	Perovskite Quantum Dots for Emerging Displays: Recent Progress and Perspectives. Nanomaterials, 2022, 12, 2243.	4.1	30
123	A Novel SR Latch Device Realized by Integration of Three-Terminal Ballistic Junctions in InGaAs/InP. IEEE Electron Device Letters, 2008, 29, 540-542.	3.9	29
124	Asymmetry strain hardening behavior in Mg-3%Al-1%Zn and Mg-8%Gd-3%Y alloy tubes. Materials Letters, 2013, 107, 197-201.	2.6	29
125	Pore-free bubbling delamination of chemical vapor deposited graphene from copper foils. Journal of Materials Chemistry C, 2015, 3, 8634-8641.	5.5	29
126	Robust two-stage stochastic linear optimization with risk aversion. European Journal of Operational Research, 2017, 256, 215-229.	5.7	29

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127	Thermodynamic analyses of the solar-driven Kalina cycle having a variable concentration ratio. Applied Thermal Engineering, 2017, 126, 997-1005.	6.0	29
128	Two-In-One Method for Graphene Transfer: Simplified Fabrication Process for Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 7289-7295.	8.0	29
129	The Cotton Lignin Biosynthetic Gene Gh4CL30 Regulates Lignification and Phenolic Content and Contributes to Verticillium Wilt Resistance. Molecular Plant-Microbe Interactions, 2021, 34, 240-254.	2.6	29
130	Molecular dynamicsâ€“continuum hybrid simulation for condensation of gas flow in a microchannel. Microfluidics and Nanofluidics, 2009, 7, 407-422.	2.2	28
131	Potocatalytic oxidative degradation of organic pollutant with molecular oxygen activated by a novel biomimetic catalyst ZnPz(dtn-COOH)4. Applied Catalysis B: Environmental, 2013, 132-133, 90-97.	20.2	28
132	Robust tracking error portfolio selection with worst-case downside risk measures. Journal of Economic Dynamics and Control, 2014, 39, 178-207.	1.6	28
133	A model of distributionally robust two-stage stochastic convex programming with linear recourse. Applied Mathematical Modelling, 2018, 58, 86-97.	4.2	28
134	Transient model and characteristics of parabolic-trough solar collectors: Molten salt vs. synthetic oil. Solar Energy, 2019, 182, 182-193.	6.1	28
135	GhGSTF12, a glutathione S-transferase gene, is essential for anthocyanin accumulation in cotton (Gossypium hirsutum L.). Plant Science, 2021, 305, 110827.	3.6	28
136	Efficient Algorithms for the Smallest Enclosing Ball Problem. Computational Optimization and Applications, 2005, 30, 147-160.	1.6	27
137	Successive convex approximations to cardinality-constrained convex programs: a piecewise-linear DC approach. Computational Optimization and Applications, 2014, 59, 379-397.	1.6	27
138	Numerical investigation of room temperature magnetic refrigerator using microchannel regenerators. Applied Thermal Engineering, 2016, 102, 1126-1140.	6.0	27
139	A combined electron backscattered diffraction and visco-plastic self-consistent analysis on the anisotropic deformation behavior in a Mg-Gd-Y alloy. Materials and Design, 2017, 122, 164-171.	7.0	27
140	Dependences of Formation and Transition of the Surface Condensation Mode on Wettability and Temperature Difference. Langmuir, 2020, 36, 456-464.	3.5	27
141	Titanium complexes with Î²-ketoiminate chelate ligands for ethylene polymerization: The significant influence of substituents on structures and catalytic activities. Inorganic Chemistry Communication, 2009, 12, 796-799.	3.9	26
142	Thermodynamics investigation of a solar power system integrated oil and molten salt as heat transfer fluids. Applied Thermal Engineering, 2016, 93, 967-977.	6.0	26
143	SIRT7 couples light-driven body temperature cues to hepatic circadian phase coherence and gluconeogenesis. Nature Metabolism, 2019, 1, 1141-1156.	11.9	26
144	Research Progress on the Role of Inflammatory Mechanisms in the Development of Postoperative Cognitive Dysfunction. BioMed Research International, 2021, 2021, 1-12.	1.9	26

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145	The Impact of Perceived Interactivity and Intrinsic Value on Usersâ€™ Continuance Intention in Using Mobile Augmented Reality Virtual Shoe-Try-On Function. Systems, 2022, 10, 3.	2.3	26
146	Dependence of nanoconfined liquid behavior on boundary and bulk factors. Physical Review E, 2013, 87, 023020.	2.1	25
147	Thiourea-Modified TiO2 Nanorods with Enhanced Photocatalytic Activity. Molecules, 2016, 21, 181.	3.8	24
148	Rapidly Enhanced Electro-Fenton Efficiency by in Situ Electrochemistry-Activated Graphite Cathode. Industrial & Engineering Chemistry Research, 2018, 57, 4907-4915.	3.7	24
149	Breeding Next-Generation Naturally Colored Cotton. Trends in Plant Science, 2021, 26, 539-542.	8.8	24
150	An Analytic Center Based Column Generation Algorithm for Convex Quadratic Feasibility Problems. SIAM Journal on Optimization, 1998, 9, 217-235.	2.0	23
151	An Analytic Center Cutting Plane Method for Semidefinite Feasibility Problems. Mathematics of Operations Research, 2002, 27, 332-346.	1.3	23
152	Direct Chemical Vapor Deposition of Large-Area Carbon Thin Films on Gallium Nitride for Transparent Electrodes: A First Attempt. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 494-501.	1.7	23
153	Multi-scale study of liquid flow in micro/nanochannels: effects of surface wettability and topology. Microfluidics and Nanofluidics, 2012, 12, 991-1008.	2.2	23
154	Effect of Pore Structure on the Electro-Fenton Activity of ACF@OMC Cathode. Industrial & Engineering Chemistry Research, 2015, 54, 8492-8499.	3.7	23
155	How solid surface free energy determines coalescence-induced nanodroplet jumping: A molecular dynamics investigation. Journal of Applied Physics, 2017, 122, .	2.5	23
156	Graphene bolometer with thermoelectric readout and capacitive coupling to an antenna. Applied Physics Letters, 2018, 112, .	3.3	23
157	High-responsivity photodetectors made of graphene nanowalls grown on Si. Applied Physics Letters, 2019, 115, .	3.3	23
158	A convergence proof for an affine-scaling algorithm for convex quadratic programming without nondegeneracy assumptions. Mathematical Programming, 1993, 60, 69-79.	2.4	22
159	A Robust Primal-Dual Interior-Point Algorithm for Nonlinear Programs. SIAM Journal on Optimization, 2004, 14, 1163-1186.	2.0	22
160	N-Doped ordered mesoporous carbon grafted onto activated carbon fibre composites with enhanced activity for the electro-Fenton degradation of Brilliant Red X3B dye. RSC Advances, 2014, 4, 60168-60175.	3.6	22
161	Chiral charge pumping in graphene deposited on a magnetic insulator. Physical Review B, 2017, 95, .	3.2	22
162	Transfer-free, lithography-free and fast growth of patterned CVD graphene directly on insulators by using sacrificial metal catalyst. Nanotechnology, 2018, 29, 365301.	2.6	22

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163	Generation and Evolution of Nanobubbles on Heated Nanoparticles: A Molecular Dynamics Study. Langmuir, 2020, 36, 2375-2382.	3.5	22
164	A convergence analysis for a convex version of Dikin's algorithm. Annals of Operations Research, 1996, 62, 357-374.	4.1	21
165	Computing the Optimal Replenishment Policy for Inventory Systems with Random Discount Opportunities. Operations Research, 2001, 49, 790-795.	1.9	21
166	A Non-Interior Continuation Algorithm for the P0 or P* LCP with Strong Global and Local Convergence Properties. Applied Mathematics and Optimization, 2005, 52, 237-262.	1.6	21
167	ZnO thin films on Si(1 1 1) grown by pulsed laser deposition from metallic Zn target. Applied Surface Science, 2006, 253, 841-845.	6.1	21
168	A Robust SQP Method for Mathematical Programs with Linear Complementarity Constraints. Computational Optimization and Applications, 2006, 34, 5-33.	1.6	21
169	Dependence between velocity slip and temperature jump in shear flows. Journal of Chemical Physics, 2013, 138, 234703.	3.0	21
170	Photocatalytic properties and electrochemical characteristic of a novel biomimetic oxygenase enzyme photocatalyst iron(II) tetrahydroxymethyl tetra(1,4-dithiin) porphyrazine for the degradation of organic pollutants. Journal of Molecular Catalysis A, 2013, 372, 114-120.	4.8	20
171	Two-stage stochastic linear programs with incomplete information on uncertainty. European Journal of Operational Research, 2014, 233, 16-22.	5.7	20
172	Ascorbic Acid Alleviates Damage from Heat Stress in the Photosystem II of Tall Fescue in Both the Photochemical and Thermal Phases. Frontiers in Plant Science, 2017, 8, 1373.	3.6	20
173	Distribution and phytotoxicity of soil labile aluminum fractions and aluminum species in soil water extracts and their effects on tall fescue. Ecotoxicology and Environmental Safety, 2018, 163, 180-187.	6.0	20
174	Lead-induced oxidative stress triggers root cell wall remodeling and increases lead absorption through esterification of cell wall polysaccharide. Journal of Hazardous Materials, 2020, 385, 121524.	12.4	20
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