

Hong-Chao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8481623/publications.pdf>

Version: 2024-02-01

237
papers

5,948
citations

93792

39
h-index

120465

65
g-index

243
all docs

243
docs citations

243
times ranked

5163
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Asymptotic Convergence and Acceleration of Gradient Methods. Journal of Scientific Computing, 2022, 90, 1.	1.1	4
2	Environmental benefits of remanufacturing mechanical products: a harmonized meta-analysis of comparative life cycle assessment studies. Journal of Environmental Management, 2022, 306, 114479.	3.8	18
3	The Management of Energy Transformation through Laser Charging in WPT for 5G Application: Prediction Model of the In _{0.3} Ga _{0.7} As Solar Cell. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	3
4	On the acceleration of the Barzilai-Borwein method. Computational Optimization and Applications, 2022, 81, 717-740.	0.9	9
5	An inexact accelerated stochastic ADMM for separable convex optimization. Computational Optimization and Applications, 2022, 81, 479-518.	0.9	29
6	Unified linear convergence of first-order primal-dual algorithms for saddle point problems. Optimization Letters, 2022, 16, 1675-1700.	0.9	5
7	A data-driven method to predict future bottlenecks in a remanufacturing system with multi-variant uncertainties. Journal of Central South University, 2022, 29, 129-145.	1.2	4
8	The Efficiency Prediction of the Laser Charging Based on GA-BP. Energies, 2022, 15, 3143.	1.6	2
9	Remaining useful life prediction of retired batteries with the extracted indirect characteristic parameter. , 2022, , .		0
10	A Nonmonotone Smoothing Newton Algorithm for Weighted Complementarity Problem. Journal of Optimization Theory and Applications, 2021, 189, 679-715.	0.8	11
11	A first-order inexact primal-dual algorithm for a class of convex-concave saddle point problems. Numerical Algorithms, 2021, 88, 1109-1136.	1.1	9
12	Investigation on crack behavior of Ni60A alloy coating produced by coaxial laser cladding. Journal of Materials Science, 2021, 56, 13323.	1.7	11
13	A convexity enforcing C^0 interior penalty method for the Monge-Ampère equation on convex polygonal domains. Numerische Mathematik, 2021, 148, 497-524.	0.9	1
14	Convergence rates for an inexact ADMM applied to separable convex optimization. Computational Optimization and Applications, 2020, 77, 729-754.	0.9	5
15	A review on in situ monitoring technology for directed energy deposition of metals. International Journal of Advanced Manufacturing Technology, 2020, 108, 3437-3463.	1.5	112
16	Inexact proximal stochastic second-order methods for nonconvex composite optimization. Optimization Methods and Software, 2020, 35, 808-835.	1.6	2
17	Gradient methods exploiting spectral properties. Optimization Methods and Software, 2020, 35, 681-705.	1.6	13
18	Review on adaptive control of laser-directed energy deposition. Optical Engineering, 2020, 59, 1.	0.5	20

#	ARTICLE	IF	CITATIONS
19	Environmental Benefits of Engine Remanufacture in China's Circular Economy Development. <i>Environmental Science & Technology</i> , 2019, 53, 11294-11301.	4.6	14
20	Analytical modeling and experimental validation of powder stream distribution during direct energy deposition. <i>Additive Manufacturing</i> , 2019, 30, 100848.	1.7	18
21	Improving Centrifugal Compressor Performance by Optimizing the Design of Impellers Using Genetic Algorithm and Computational Fluid Dynamics Methods. <i>Sustainability</i> , 2019, 11, 5409.	1.6	27
22	Towards energy and material efficient laser cladding process: Modeling and optimization using a hybrid TS-GEP algorithm and the NSGA-II. <i>Journal of Cleaner Production</i> , 2019, 227, 58-69.	4.6	48
23	Energy-based life-cycle assessment (Em-LCA) for sustainability assessment: a case study of laser additive manufacturing versus CNC machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 4109-4120.	1.5	39
24	Generalized Uniformly Optimal Methods for Nonlinear Programming. <i>Journal of Scientific Computing</i> , 2019, 79, 1854-1881.	1.1	27
25	Inexact alternating direction methods of multipliers for separable convex optimization. <i>Computational Optimization and Applications</i> , 2019, 73, 201-235.	0.9	14
26	A Proactive Remanufacturing Planning Model for Enhancing Environmental Sustainability. , 2019, , .		0
27	Energy-aware fuzzy job-shop scheduling for engine remanufacturing at the multi-machine level. <i>Frontiers of Mechanical Engineering</i> , 2019, 14, 474-488.	2.5	14
28	Effects of deposition variables on molten pool temperature during laser engineered net shaping of Inconel 718 superalloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 969-976.	1.5	22
29	An integrated decision model of restoring technologies selection for engine remanufacturing practice. <i>Journal of Cleaner Production</i> , 2019, 206, 598-610.	4.6	30
30	The enhancement of the InGaAs solar cells by the thermoelectric generation technology under the continuous laser exposure. , 2019, , .		1
31	Online remaining useful life prognostics using an integrated particle filter. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2018, 232, 587-597.	0.6	9
32	A principal component analysis based three-dimensional sustainability assessment model to evaluate corporate sustainable performance. <i>Journal of Cleaner Production</i> , 2018, 187, 625-637.	4.6	89
33	Comparative study for environmental performances of traditional manufacturing and directed energy deposition processes. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2273-2282.	1.8	43
34	A parameterized proximal point algorithm for separable convex optimization. <i>Optimization Letters</i> , 2018, 12, 1589-1608.	0.9	17
35	Generalized symmetric ADMM for separable convex optimization. <i>Computational Optimization and Applications</i> , 2018, 70, 129-170.	0.9	44
36	Investigation of Energy Requirements and Environmental Performance for Additive Manufacturing Processes. <i>Sustainability</i> , 2018, 10, 3606.	1.6	38

#	ARTICLE	IF	CITATIONS
37	Effect of electric-magnetic compound field on the pore distribution in laser cladding process. Optics and Laser Technology, 2018, 108, 247-254.	2.2	50
38	Sequential Monte Carlo Method Toward Online RUL Assessment with Applications. Chinese Journal of Mechanical Engineering (English Edition), 2018, 31, .	1.9	6
39	Initiation and Propagation of Top-Down Cracking in Asphalt Pavement. Applied Sciences (Switzerland), 2018, 8, 774.	1.3	14
40	Machinery condition prediction based on wavelet and support vector machine. Journal of Intelligent Manufacturing, 2017, 28, 1045-1055.	4.4	38
41	Laser ablation of electrodes for Li-ion battery remanufacturing. International Journal of Advanced Manufacturing Technology, 2017, 88, 3067-3076.	1.5	5
42	Loss and Benefit Caused by a Diesel Engine: From the Perspective of Human Health. Journal of Industrial Ecology, 2017, 21, 116-126.	2.8	8
43	A Review on In-situ Monitoring and Adaptive Control Technology for Laser Cladding Remanufacturing. Procedia CIRP, 2017, 61, 235-240.	1.0	51
44	The Advantages of Remanufacturing from the Perspective of Eco-efficiency Analysis: A Case Study. Procedia CIRP, 2017, 61, 223-228.	1.0	13
45	Investigation on the Comparative Life Cycle Assessment between Newly Manufacturing and Remanufacturing Turbochargers. Procedia CIRP, 2017, 61, 750-755.	1.0	11
46	Laser-induced damage threshold of silicon under combined millisecond and nanosecond laser irradiation. Journal of Applied Physics, 2017, 121, .	1.1	19
47	Minimizing economic and environmental impacts through an optimal preventive replacement schedule: Model and application. Journal of Cleaner Production, 2017, 143, 882-893.	4.6	31
48	Laser ablation on lithium-ion battery electrode solid electrolyte interface removal. Journal of Laser Applications, 2017, 29, 042002.	0.8	3
49	Toward a Sustainable Impeller Production: Environmental Impact Comparison of Different Impeller Manufacturing Methods. Journal of Industrial Ecology, 2017, 21, S216.	2.8	55
50	Inexact proximal stochastic gradient method for convex composite optimization. Computational Optimization and Applications, 2017, 68, 579-618.	0.9	8
51	Reliability assessment of centrifugal compressor impeller based on the Monte Carlo method. International Journal of Manufacturing Research, 2017, 12, 270.	0.1	3
52	Tensile Fracture Behavior and Failure Mechanism of Additively-Manufactured AISI 4140 Low Alloy Steel by Laser Engineered Net Shaping. Materials, 2017, 10, 1283.	1.3	22
53	Laser Engineered Net Shaping of Nickel-Based Superalloy Inconel 718 Powders onto AISI 4140 Alloy Steel Substrates: Interface Bond and Fracture Failure Mechanism. Materials, 2017, 10, 341.	1.3	29
54	Analysis of the relationship of crack arrest effects with fusion zone size by current detour and Joule heating. International Journal of Advanced Manufacturing Technology, 2016, 87, 1465-1474.	1.5	8

#	ARTICLE	IF	CITATIONS
55	Simulation and experiment for crack arrest in remanufacturing. International Journal of Advanced Manufacturing Technology, 2016, 87, 1547-1556.	1.5	4
56	Synthesis and Applications of Semiconducting Graphene. Journal of Nanomaterials, 2016, 2016, 1-19.	1.5	29
57	Energy Consumption and Saving Analysis for Laser Engineered Net Shaping of Metal Powders. Energies, 2016, 9, 763.	1.6	25
58	Sustainability of 3D Printing: A Critical Review and Recommendations. , 2016, , .		37
59	Exploring optimal timing for remanufacturing based on replacement theory. CIRP Annals - Manufacturing Technology, 2016, 65, 447-450.	1.7	20
60	Comparative life cycle assessment of remanufacturing cleaning technologies. Journal of Cleaner Production, 2016, 137, 475-489.	4.6	32
61	Life cycle assessment of a large-scale centrifugal compressor: A case study in China. Journal of Cleaner Production, 2016, 139, 810-820.	4.6	18
62	A new simple model trust-region method with generalized Barzilai-Borwein parameter for large-scale optimization. Science China Mathematics, 2016, 59, 2265-2280.	0.8	6
63	Real-time Reliability Self-assessment in Milling Tools Operation. Quality and Reliability Engineering International, 2016, 32, 2245-2252.	1.4	4
64	Fatigue life assessment of the centrifugal compressor impeller with cracks based on the properties of FV520B. Engineering Failure Analysis, 2016, 66, 177-186.	1.8	18
65	Environmental benefits of remanufacturing: A case study of cylinder heads remanufactured through laser cladding. Journal of Cleaner Production, 2016, 133, 1027-1033.	4.6	91
66	An active set algorithm for nonlinear optimization with polyhedral constraints. Science China Mathematics, 2016, 59, 1525-1542.	0.8	15
67	Mini-batch stochastic approximation methods for nonconvex stochastic composite optimization. Mathematical Programming, 2016, 155, 267-305.	1.6	159
68	Fatigue life assessment of centrifugal compressor impeller based on FEA. Engineering Failure Analysis, 2016, 60, 383-390.	1.8	35
69	Crack healing in SUS304 stainless steel by electropulsing treatment. Journal of Cleaner Production, 2016, 113, 989-994.	4.6	61
70	Feasibility study of a new approach to removal of paint coatings in remanufacturing. Journal of Materials Processing Technology, 2016, 234, 102-112.	3.1	25
71	Remanufacturing cathode from end-of-life of lithium-ion secondary batteries by Nd:YAG laser radiation. Clean Technologies and Environmental Policy, 2016, 18, 231-243.	2.1	14
72	States and Prospects of Crack Arrest and Healing Technology. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 122.	0.7	2

#	ARTICLE	IF	CITATIONS
73	Microstructures and Wear Performance of PTAW Deposited Ni-Based Coatings with Spherical Tungsten Carbide. <i>Metals</i> , 2015, 5, 1984-1996.	1.0	13
74	An Alternating Direction Approximate Newton Algorithm for Ill-Conditioned Inverse Problems with Application to Parallel MRI. <i>Journal of the Operations Research Society of China</i> , 2015, 3, 139-162.	0.9	27
75	Remanufacturing Decision Based on RUL Assessment. <i>Procedia CIRP</i> , 2015, 29, 764-768.	1.0	12
76	Simplified Life Cycle Assessment and Analysis of Remanufacturing Cleaning Technologies. <i>Procedia CIRP</i> , 2015, 29, 810-815.	1.0	7
77	An ontology-based knowledge framework for engineering material selection. <i>Advanced Engineering Informatics</i> , 2015, 29, 985-1000.	4.0	33
78	Remanufacturing-Oriented Geometric Modelling for the Damaged Region of Components. <i>Procedia CIRP</i> , 2015, 29, 798-803.	1.0	12
79	Supercritical carbon dioxide cleaning of metal parts for remanufacturing industry. <i>Journal of Cleaner Production</i> , 2015, 93, 339-346.	4.6	22
80	Energy consumption and environmental emissions assessment of a refrigeration compressor based on life cycle assessment methodology. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 947-956.	2.2	11
81	Life Cycle Environmental Impact Evaluation of Newly Manufactured Diesel Engine and Remanufactured LNG Engine. <i>Procedia CIRP</i> , 2015, 29, 402-407.	1.0	19
82	An augmented Lagrangian affine scaling method for nonlinear programming. <i>Optimization Methods and Software</i> , 2015, 30, 934-964.	1.6	3
83	Pre-treatment of remanufacturing cleaning by use of supercritical CO ₂ in comparison with thermal cleaning. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1563-1572.	2.1	15
84	Comparative Life Cycle Assessment of remanufactured liquefied natural gas and diesel engines in China. <i>Journal of Cleaner Production</i> , 2015, 101, 129-136.	4.6	32
85	Supercritical CO ₂ Cleaning of Carbonaceous Deposits on Diesel Engine Valve. <i>Procedia CIRP</i> , 2015, 29, 828-832.	1.0	4
86	A rule-based system for trade-off among energy consumption, tool life, and productivity in machining process. <i>Journal of Intelligent Manufacturing</i> , 2015, 26, 1217-1232.	4.4	29
87	Remanufacturing and Remaining Useful Life Assessment. , 2015, , 3137-3193.		8
88	Life Cycle Assessment: State of the Art and Future Perspectives. <i>Recent Patents on Mechanical Engineering</i> , 2015, 8, 211-221.	0.2	6
89	Diesel Engine Block Remanufacturing: Life Cycle Assessment. , 2015, , 3313-3341.		0
90	Diesel Engine Block Remanufacturing: Life Cycle Assessment. , 2014, , 1-22.		0

#	ARTICLE	IF	CITATIONS
91	An efficient gradient method using the Yuan steplength. Computational Optimization and Applications, 2014, 59, 541-563.	0.9	60
92	A nonmonotone approximate sequence algorithm for unconstrained nonlinear optimization. Computational Optimization and Applications, 2014, 57, 27-43.	0.9	0
93	A system boundary identification method for life cycle assessment. International Journal of Life Cycle Assessment, 2014, 19, 646-660.	2.2	45
94	An affine scaling method for optimization problems with polyhedral constraints. Computational Optimization and Applications, 2014, 59, 163-183.	0.9	5
95	Life Cycle Assessment of a Diesel Engine Based on an Integrated Hybrid Inventory Analysis Model. Procedia CIRP, 2014, 15, 496-501.	1.0	13
96	An Optimal Timing of Engine Remanufacturing – A Real Option Approach. Procedia CIRP, 2014, 15, 223-227.	1.0	10
97	Remaining Useful Life Assessment and its Application in the Decision for Remanufacturing. Procedia CIRP, 2014, 15, 212-217.	1.0	18
98	Material and Energy Efficiency Analysis of Low Pressure Chemical Vapor Deposition of TiO ₂ Film. Procedia CIRP, 2014, 15, 32-37.	1.0	12
99	Life Cycle Assessment-based Comparative Evaluation of Originally Manufactured and Remanufactured Diesel Engines. Journal of Industrial Ecology, 2014, 18, 567-576.	2.8	67
100	On-line Recycling of Abrasives in Abrasive Water Jet Cleaning. Procedia CIRP, 2014, 15, 278-282.	1.0	16
101	Numerical calculation and experimental research on crack arrest by detour effect and joule heating of high pulsed current in remanufacturing. Chinese Journal of Mechanical Engineering (English) Tj ETQq1 1 0.7843 149gBT /Oerlock 10	1.0	10
102	A fuzzy logic based aggregation method for life cycle impact assessment. Journal of Cleaner Production, 2014, 67, 159-172.	4.6	35
103	Observation of defect state in highly ordered titanium dioxide nanotube arrays. Nanotechnology, 2014, 25, 275603.	1.3	48
104	Energy Modeling of Electrochemical Anodization Process of Titanium Dioxide Nanotubes. ACS Sustainable Chemistry and Engineering, 2014, 2, 404-410.	3.2	14
105	Fuzzy Reliability Estimation for Cutting Tools. Procedia CIRP, 2014, 15, 62-67.	1.0	11
106	A Method for Pre-determining the Optimal Remanufacturing Point of Lithium ion Batteries. Procedia CIRP, 2014, 15, 218-222.	1.0	17
107	An environmentally friendly approach for contaminants removal using supercritical CO ₂ for remanufacturing industry. Applied Surface Science, 2014, 292, 142-148.	3.1	50
108	Life Cycle Assessment of an Engine with Input-Output Based Hybrid Analysis Method. Journal of Cleaner Production, 2014, 78, 131-138.	4.6	31

#	ARTICLE	IF	CITATIONS
109	Energy and exergy analyses of atomic layer deposition of Al ₂ O ₃ nano-film process. International Journal of Exergy, 2014, 15, 62.	0.2	0
110	Recent Research and Development of Typical Cutting Machine Tool's Energy Consumption Model. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2014, 50, 102.	0.7	14
111	Energy Information Description and Integration of Machinery Equipment Oriented to Energy-saving Design. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2014, 50, 111.	0.7	1
112	Profile measurement of thin transparent soft film surface. Chinese Journal of Optics and Applied Optics, 2014, 7, 326-331.	0.0	1
113	Shape Memory Polymer Nanocomposites for Application of Multiple-Field Active Disassembly: Experiment and Simulation. Environmental Science & Technology, 2013, 47, 13053-13059.	4.6	4
114	An efficient spherical mapping algorithm and its application on spherical harmonics. Science China Information Sciences, 2013, 56, 1-10.	2.7	8
115	Adaptive Regularized Self-Consistent Field Iteration with Exact Hessian for Electronic Structure Calculation. SIAM Journal of Scientific Computing, 2013, 35, A1299-A1324.	1.3	15
116	An exact algorithm for graph partitioning. Mathematical Programming, 2013, 137, 531-556.	1.6	31
117	Environmental emissions and energy consumptions assessment of a diesel engine from the life cycle perspective. Journal of Cleaner Production, 2013, 53, 7-12.	4.6	60
118	Understanding and optimizing delamination/recycling of printed circuit boards using a supercritical carbon dioxide process. Journal of Cleaner Production, 2013, 41, 174-178.	4.6	44
119	End-of-life (EOL) issues and options for electric vehicle batteries. Clean Technologies and Environmental Policy, 2013, 15, 881-891.	2.1	115
120	Bregman operator splitting with variable stepsize for total variation image reconstruction. Computational Optimization and Applications, 2013, 54, 317-342.	0.9	50
121	An improved binary linear programming approach for life cycle assessment system boundary identification. , 2013, , .		0
122	Time-resolved temperature measurement and numerical simulation of millisecond laser irradiated silicon. Journal of Applied Physics, 2013, 114, 033104.	1.1	35
123	Exponential smoothing model for condition monitoring: A case study. , 2013, , .		4
124	Machinery condition prediction based on wavelet and support vector machine. , 2013, , .		3
125	Photoelectric performance degradation of millisecond laser-irradiated silicon photodiodes. Proceedings of SPIE, 2013, , .	0.8	1
126	Study on Remanufacturing Cleaning Technology in Mechanical Equipment Remanufacturing Process. , 2013, , 643-648.		10

#	ARTICLE	IF	CITATIONS
127	Life Cycle Assessment: A Comparison of Manufacturing and Remanufacturing Processes of a Diesel Engine. , 2013, , 675-678.		6
128	Application of Electro-magnetic Heat Effect on Arresting the Crack in Remanufacturing Blank. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 21.	0.7	3
129	Review of Non-destructive Testing for Remanufacturing of High-end Equipment. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 80.	0.7	19
130	Present Status and Development Tendency of Plasma Transferred Arc Welding. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 106.	0.7	7
131	Three Dimensional Sustainability Assessment: A Case of Combustion Motor Industry in China. , 2013, , 523-528.		1
132	Decision Analysis in Sustainable Product Development. Advanced Materials Research, 2012, 468-471, 370-373.	0.3	0
133	On the convergence of an active-set method for ℓ_1 minimization. Optimization Methods and Software, 2012, 27, 1127-1146.	1.6	35
134	Carbon footprint comparison of sign substrate made from recycled e-waste plastic versus aluminium. International Journal of Sustainable Engineering, 2012, 5, 76-83.	1.9	1
135	Remanufacturing processes of electric vehicle battery. , 2012, , .		5
136	Chemical reaction thermodynamic model of Low Pressure CVD for Nano-TiO ₂ film preparation. , 2012, , .		0
137	Modeling of Heat Transfer in Shape Memory Polymer Nanocomposites. , 2012, , .		0
138	An entropy-based metric for product remanufacturability. Journal of Remanufacturing, 2012, 2, 1.	1.6	11
139	A PCA-based method for construction of composite sustainability indicators. International Journal of Life Cycle Assessment, 2012, 17, 593-603.	2.2	84
140	Investigation of a multiple trigger active disassembly element. CIRP Annals - Manufacturing Technology, 2012, 61, 27-30.	1.7	6
141	Issues with using police citations to assign responsibility in quasi-induced exposure. Safety Science, 2012, 50, 1133-1140.	2.6	22
142	On the local convergence of a derivative-free algorithm for least-squares minimization. Computational Optimization and Applications, 2012, 51, 481-507.	0.9	23
143	Sparse principal component analysis based sustainability assessment of EOL ICT service infrastructures. International Journal of Environmental Technology and Management, 2011, 14, 435.	0.1	0
144	Development and analysis of design for environment oriented design parameters. Journal of Cleaner Production, 2011, 19, 1723-1733.	4.6	17

#	ARTICLE	IF	CITATIONS
145	Shape memory polymer snap-fits for active disassembly. Journal of Cleaner Production, 2011, 19, 2066-2074.	4.6	29
146	Simulation of asphalt mixtures based on digital image using discrete element method. , 2011, , .		0
147	Research of PCE based on the time-headway. , 2011, , .		0
148	Design of ecological material of the ring-plate indexing mechanism based on analytic hierarchy process. , 2011, , .		0
149	Disassembly efficiency improvements with active disassembly technologies. , 2011, , .		1
150	Study on Efficiency-Reinforcement Design Methods for Elastomeric Hydraulic Reciprocating Sealing. Advanced Materials Research, 2011, 295-297, 113-116.	0.3	0
151	Efficiency-Reinforcement Design of Hydraulic Reciprocating Sealing Driven by Ideal Solution. Advanced Materials Research, 2011, 189-193, 416-419.	0.3	0
152	The State-of-the-Art Surveys for Application of Metal Magnetic Memory Testing in Remanufacturing. Advanced Materials Research, 2011, 301-303, 366-372.	0.3	5
153	A Review of Engineering Research in Sustainable Manufacturing. , 2011, , .		15
154	Product improving design based on TRIZ/VE. , 2011, , .		1
155	Efficiency-Reinforcement Design Study for Elastomeric Hydraulic Reciprocating Seal Based on Function Analysis. Materials Science Forum, 2011, 697-698, 646-649.	0.3	0
156	An energy factor based systematic approach to energy-saving product design. CIRP Annals - Manufacturing Technology, 2010, 59, 183-186.	1.7	18
157	Research on Multi-Step Active Disassembly Method of Products Based on ADSM. Advanced Materials Research, 2010, 139-141, 1428-1432.	0.3	1
158	Study on Green Innovative Design Based on Function Analysis. Applied Mechanics and Materials, 2010, 44-47, 1263-1267.	0.2	3
159	Study on Energy-Saving Product Concept Design Based on TRIZ and Function Analysis. Advanced Materials Research, 2010, 156-157, 123-126.	0.3	1
160	Vehicle Engine Selection Strategy and Docking Design Based on Specific Space. , 2010, , .		0
161	A Derivative-Free Algorithm for Least-Squares Minimization. SIAM Journal on Optimization, 2010, 20, 3555-3576.	1.2	64
162	An investigation of indicators for measuring sustainable manufacturing. , 2010, , .		15

#	ARTICLE	IF	CITATIONS
163	An innovative design of energy-saving products based on QFD/TRIZ/DEA integration. , 2010, , .		4
164	Energy-saving product innovative design process based on TRIZ/AD. , 2010, , .		1
165	Use of an energy-saving concept to assess life-cycle impact in engineering. International Journal of Sustainable Manufacturing, 2010, 2, 99.	0.3	4
166	Energy model for manufacturing process: A case study of wind turbine. , 2010, , .		0
167	Robust analysis of the active disassembly process. , 2010, , .		4
168	A multiple objective optimization model for environmental benign process planning. , 2009, , .		10
169	Removal force models for component disassembly from waste printed circuit board. Resources, Conservation and Recycling, 2009, 53, 448-454.	5.3	16
170	Asymmetric negotiation based collaborative product design for component reuse in disparate products. Computers and Industrial Engineering, 2009, 57, 80-90.	3.4	13
171	Design for Environment: An Environmentally Conscious Analysis Model for Modular Design. IEEE Transactions on Electronics Packaging Manufacturing, 2009, 32, 164-175.	1.6	23
172	End-of-life analysis of analog CATV converters. , 2009, , .		0
173	Review and future of active disassembly. International Journal of Sustainable Engineering, 2009, 2, 252-264.	1.9	27
174	Research on Design Methods of Products Based on ADSM. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 192.	0.7	3
175	An Surplus Asset Management Model for Environmental Impact Analysis of EOL Electronic Products. , 2009, , .		0
176	A multi-objective fuzzy graph approach for modular formulation considering end-of-life issues. International Journal of Production Research, 2008, 46, 4011-4033.	4.9	53
177	Improvement of home appliances design based on energy-saving concept: Case studies on hair dryer and coffee maker. , 2008, , .		2
178	Application of neural network on environmental impact assessment tools. International Journal of Sustainable Manufacturing, 2008, 1, 100.	0.3	17
179	Role of interleukin-6 in cardiac inflammation and dysfunction after burn complicated by sepsis. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2408-H2416.	1.5	63
180	Asymptotic Convergence Analysis of a New Class of Proximal Point Methods. SIAM Journal on Control and Optimization, 2007, 46, 1683-1704.	1.1	17

#	ARTICLE	IF	CITATIONS
181	Research on Decision-making Method for Green Design based on Green Utility Similarity. Electronics and the Environment, IEEE International Symposium on, 2007, , .	0.0	0
182	Energy-saving Based Innovative Product Design Method. Electronics and the Environment, IEEE International Symposium on, 2007, , .	0.0	3
183	Integrating Energy-saving Concept into General Product Design. Electronics Manufacturing Technology Symposium (IEMT), IEEE/CPMT International, 2007, , .	0.0	2
184	A decision support model based on a reference point method for end-of-life electronic product management. International Journal of Advanced Manufacturing Technology, 2007, 31, 1251-1259.	1.5	8
185	Experimental studies on cryogenic recycling of printed circuit board. International Journal of Advanced Manufacturing Technology, 2007, 34, 657-666.	1.5	29
186	Printed circuit board recycling process and its environmental impact assessment. International Journal of Advanced Manufacturing Technology, 2007, 34, 1030-1036.	1.5	37
187	A Quantitative Reverse Logistics Model and Waste Application for Electronic Products. , 2006, , .		1
188	An Environmentally Benign Process Model Development for Printed Circuit Board Recycling. , 2006, , .		2
189	Environmental Impact Assessment Method Based Synthesis Weight. , 2006, , .		0
190	Foreword Special Section on the IEEE International Symposium on Electronics and the Environment (IEEE-ISEE). IEEE Transactions on Electronics Packaging Manufacturing, 2004, 27, 1-1.	1.6	2
191	Printed circuit board recycling: a state-of-the-art survey. IEEE Transactions on Electronics Packaging Manufacturing, 2004, 27, 33-42.	1.6	135
192	A WEB-BASED SYSTEM FOR REVERSE MANUFACTURING AND PRODUCT ENVIRONMENTAL IMPACT ASSESSMENT CONSIDERING END-OF-LIFE DISPOSITIONS. CIRP Annals - Manufacturing Technology, 2004, 53, 5-8.	1.7	35
193	An Economic Analysis Model With Environmental Strategies Embedded for End-of-Life Management of Electronic Products. , 2004, , .		0
194	Using Fuzzy Multi-Agent Decision-Making In Environmentally Conscious Supplier Management. CIRP Annals - Manufacturing Technology, 2003, 52, 385-388.	1.7	36
195	Life-cycle engineering: Issues, tools and research. International Journal of Computer Integrated Manufacturing, 2003, 16, 307-316.	2.9	48
196	Form Feature and Tolerance Transfer from a 3D Model to a Set-up Planning System. International Journal of Advanced Manufacturing Technology, 2002, 19, 88-96.	1.5	19
197	Theoretical Tolerance Stackup Analysis Based on Tolerance Zone Analysis. International Journal of Advanced Manufacturing Technology, 2001, 17, 257-262.	1.5	27
198	Design for manufacture and design for "X": concepts, applications, and perspectives. Computers and Industrial Engineering, 2001, 41, 241-260.	3.4	349

#	ARTICLE	IF	CITATIONS
199	A decision-making model for materials management of end-of-life electronic products. Journal of Manufacturing Systems, 2000, 19, 94-107.	7.6	36
200	Disassembly analysis for electromechanical products: A graph-based heuristic approach. International Journal of Production Research, 2000, 38, 993-1007.	4.9	80
201	A hybrid-graph approach for automated setup planning in CAPP. Robotics and Computer-Integrated Manufacturing, 1999, 15, 89-100.	6.1	72
202	Title is missing!. Flexible Services and Manufacturing Journal, 1999, 11, 19-35.	0.4	6
203	Tolerance analysis for setup planning: A graph theoretical approach. International Journal of Production Research, 1997, 35, 1107-1124.	4.9	41
204	An Object-Oriented Integration Testbed for Process Planning and Production Scheduling. Integrated Computer-Aided Engineering, 1997, 4, 319-335.	2.5	3
205	Environmentally conscious design and manufacturing: A state-of-the-art survey. Journal of Manufacturing Systems, 1997, 16, 352-371.	7.6	246
206	Function approximation and neural-fuzzy approach to machining process selection. IEEE Transactions on Components, Packaging and Manufacturing Technology Part C Manufacturing, 1996, 19, 9-18.	0.4	7
207	Tolerance analysis in setup planning for rotational parts. Journal of Manufacturing Systems, 1996, 15, 340-350.	7.6	18
208	Operational dimensioning and tolerancing in process planning: setup planning. International Journal of Production Research, 1996, 34, 1841-1858.	4.9	52
209	<title>Using neural networks for process planning</title>. , 1995, 2620, 429.		1
210	Neural-expert hybrid approach for intelligent manufacturing: A survey. Computers in Industry, 1995, 26, 107-126.	5.7	35
211	Automated tolerance analysis for CAPP system. International Journal of Advanced Manufacturing Technology, 1995, 10, 219-224.	1.5	6
212	A neural network approach for datum selection in computer-aided process planning. Computers in Industry, 1995, 27, 53-64.	5.7	27
213	Applications of neural networks in manufacturing: a state-of-the-art survey. International Journal of Production Research, 1995, 33, 705-728.	4.9	157
214	Concurrent Engineering: An Overview from Manufacturing Engineering Perspectives. Concurrent Engineering Research and Applications, 1995, 3, 221-236.	2.0	31
215	A progressive approach for the integration of process planning and scheduling. IIE Transactions, 1995, 27, 456-464.	2.1	67
216	An integrated model of process planning and production scheduling. International Journal of Computer Integrated Manufacturing, 1994, 7, 356-364.	2.9	51

#	ARTICLE	IF	CITATIONS
217	A fuzzy approach to process plan selection. International Journal of Production Research, 1994, 32, 1265-1279.	4.9	57
218	Artificial neural networks in manufacturing: concepts, applications, and perspectives. IEEE Transactions on Components and Packaging Technologies, 1994, 17, 212-228.	0.7	131
219	Design-Decision Support in Concurrent/Simultaneous Engineering. Control and Dynamic Systems, 1994, 62, 171-196.	0.1	0
220	IPPM " A Prototype to Integrate Process Planning and Job Shop Scheduling Functions. CIRP Annals - Manufacturing Technology, 1993, 42, 513-518.	1.7	84
221	Tolerancing techniques: the state-of-the-art. International Journal of Production Research, 1992, 30, 2111-2135.	4.9	80
222	An exploration of simultaneous engineering for manufacturing enterprises. International Journal of Advanced Manufacturing Technology, 1992, 7, 101-108.	1.5	11
223	Computerized tolerance techniques. Computers and Industrial Engineering, 1991, 21, 165-172.	3.4	5
224	Operational Dimensioning and Tolerancing in CAPP. CIRP Annals - Manufacturing Technology, 1991, 40, 419-422.	1.7	13
225	Computer Aided Process Planning: the state-of-the-art survey. International Journal of Production Research, 1989, 27, 553-585.	4.9	378
226	Neural networks in manufacturing: A survey. , 0, , .		5
227	An environmentally conscious evaluation/design support tool for personal computers. , 0, , .		7
228	A quantitative approach in environmentally conscious product design support. , 0, , .		2
229	Disassembly analysis, material composition analysis and environmental impact analysis for computer drives. , 0, , .		3
230	Advanced Gasoline Engine Management Platform for Euro IV & amp; CHN IV Emission Regulation. , 0, , .		3
231	Research on Relativity of Knock Sensor Signal and Gasoline HCCI Combustion Obtained with Trapping Residual Gas. , 0, , .		3
232	Improvement of Vehicle Crashworthiness for Full Frontal Impact Based on Energy Flow Analysis. Advanced Materials Research, 0, 139-141, 1365-1369.	0.3	3
233	Overview of Energy Consumption Model for Manufacturing Processes. Applied Mechanics and Materials, 0, 130-134, 2288-2293.	0.2	1
234	Energy Factor Analysis in Modular Product. Applied Mechanics and Materials, 0, 130-134, 1314-1317.	0.2	0

#	ARTICLE	IF	CITATIONS
235	The Study of Mechanism Analysis and Dynamical Simulation Based on Ultrasound Enhanced Supercritical and Subcritical CO ₂ Dissolution. Advanced Materials Research, 0, 690-693, 2951-2956.	0.3	0
236	Study on the Efficiency-Reinforcement Design for Elastomeric Hydraulic Reciprocating Sealing Based on QFD/TRIZ. Materials Science Forum, 0, 770, 312-315.	0.3	0
237	Disassembly for End-of-life Electromechanical Products. , 0, , 211-263.		0