Yun Zhang

List of Publications by Year in Descending Order

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73 papers	1,301 citations	24 h-index	34 g-index
78 ext. papers	1,784 ext. citations	2.7 avg, IF	6.82 L-index

#	Paper	IF	Citations
73	Soybean and Soybean Oil Price Forecasting through the Nonlinear Autoregressive Neural Network (NARNN) and NARNN with Exogenous Inputs (NARNN□). *Intelligent Systems With Applications*, **2022**, 13, 200061		2
72	Predicting the superconducting transition temperature of high-Temperature layered superconductors via machine learning. *Physica C: Superconductivity and Its Applications*, **2022**, 595, 1354031	1.3	1
71	Modulus of elasticity predictions through LSBoost for concrete of normal and high strength. *Materials Chemistry and Physics*, **2022**, 283, 126007	4.4	2
70	Modeling oxygen ionic conductivities of ABO3 Perovskites through machine learning. *Chemical Physics*, **2022**, 558, 111511	2.3	1
69	Thermal coal price forecasting via the neural network. *Intelligent Systems With Applications*, **2022**, 14, 200084		1
68	Disordered MgB2 superconductor critical temperature modeling through regression trees. *Physica C: Superconductivity and Its Applications*, **2022**, 597, 1354062	1.3	0
67	Predicting the delamination factor in carbon fibre reinforced plastic composites during drilling through the Gaussian process regression. *Journal of Composite Materials*, **2021**, 55, 2061-2068	2.7	10
66	Predicting the superconducting transition temperature and relative resistance ratio in YBa2Cu3O7 films. *Physica C: Superconductivity and Its Applications*, **2021**, 592, 1353998	1.3	3
65	Rent index forecasting through neural networks. *Journal of Economic Studies*, **2021**, ahead-of-print,	2.1	6
64	Machine learning tensile strength and impact toughness of wheat straw reinforced composites. *Machine Learning With Applications*, **2021**, 6, 100188	6.5	1
63	Machine Learning Properties of Electrolyte Additives: A Focus on Redox Potentials. *Industrial & Engineering Chemistry Research*, **2021**, 60, 343-354	3.9	14
62	Predicting lattice parameters for orthorhombic distorted-perovskite oxides via machine learning. *Solid State Sciences*, **2021**, 113, 106541	3.4	3
61	Machine learning specific heat capacities of nanofluids containing CuO and Al2O3. *AIChE Journal*, **2021**, 67, e17289	3.6	2
60	Corn cash price forecasting with neural networks. *Computers and Electronics in Agriculture*, **2021**, 184, 106120	6.5	11
59	Machine learning lattice parameters of monoclinic double perovskites. *International Journal of Quantum Chemistry*, **2021**, 121, e26480	2.1	29
58	Fe-Based Superconducting Transition Temperature Modeling through Gaussian Process Regression. *Journal of Low Temperature Physics*, **2021**, 202, 205-218	1.3	24
57	Machine learning glass transition temperature of styrenic random copolymers. *Journal of Molecular Graphics and Modelling*, **2021**, 103, 107796	2.8	11

56	Predictions of adsorption energies of methane-related species on Cu-based alloys through machine learning. *Machine Learning With Applications*, **2021**, 3, 100010	6.5	14
55	Lattice Misfit Predictions via the Gaussian Process Regression for Ni-Based Single Crystal Superalloys. *Metals and Materials International*, **2021**, 27, 235-253	2.4	19
54	Machine Learning F-Doped Bi(Pb)□Sr□Ca□Cu□O Superconducting Transition Temperature. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 63-73	1.5	25
53	Machine learning glass transition temperature of polyacrylamides using quantum chemical descriptors. *Polymer Chemistry*, **2021**, 12, 843-851	4.9	16
52	Predictions of the Total Crack Length in Solidification Cracking Through LSBoost. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2021**, 52, 985-1005	2.3	13
51	Machine learning the lattice constant of cubic pyrochlore compounds. *International Journal of Applied Ceramic Technology*, **2021**, 18, 661-676	2	3
50	Predicting the material removal rate during electrical discharge diamond grinding using the Gaussian process regression: a comparison with the artificial neural network and response surface methodology. *International Journal of Advanced Manufacturing Technology*, **2021**, 113, 1527-1533	3.2	6
49	Predicting Multiple Properties of Pervious Concrete through the Gaussian Process Regression. *Advances in Civil Engineering Materials*, **2021**, 10, 20200134	0.7	6
48	Modeling of lattice parameters of cubic perovskite oxides and halides. *Heliyon*, **2021**, 7, e07601	3.6	2
47	Machine learning modeling of metal surface energy. *Materials Chemistry and Physics*, **2021**, 267, 124622	4.4	2
46	Solid particle erosion rate predictions through LSBoost. *Powder Technology*, **2021**, 388, 517-525	5.2	3
45	Machine learning cutting force, surface roughness, and tool life in high speed turning processes. *Manufacturing Letters*, **2021**, 29, 84-89	4.5	4
44	Predicting Magnetic Remanence of NdFeB Magnets from Composition. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 2711	1.5	2
43	Individual time series and composite forecasting of the Chinese stock index. *Machine Learning With Applications*, **2021**, 5, 100035	6.5	10
42	Machine learning bioactive compound solubilities in supercritical carbon dioxide. *Chemical Physics*, **2021**, 550, 111299	2.3	1
41	House price forecasting with neural networks. *Intelligent Systems With Applications*, **2021**, 12, 200052		12
40	Network analysis of corn cash price comovements. *Machine Learning With Applications*, **2021**, 6, 100140	6.5	7
39	Predictions of glass transition onset temperature of chalcogenide glass GexSe1□. *Journal of Physics and Chemistry of Solids*, **2021**, 159, 110246	3.9	0

38	Machine learning lattice constants of zircon-group minerals MXO4. *Structural Chemistry*, **2021**, 32, 1311-1326	1.8	3
37	Predicting doped Fe-based superconductor critical temperature from structural and topological parameters using machine learning. *International Journal of Materials Research*, **2021**, 112, 2-9	0.5	10
36	Modeling and prediction of lattice parameters of binary spinel compounds (AM2X4) using support vector regression with Bayesian optimization. *New Journal of Chemistry*, **2021**, 45, 15255-15266	3.6	3
35	Solubility predictions through LSBoost for supercritical carbon dioxide in ionic liquids. *New Journal of Chemistry*, **2020**, 44, 20544-20567	3.6	26
34	Predicting the thermal conductivity enhancement of nanofluids using computational intelligence. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126500	2.3	54
33	Curie temperature modeling of magnetocaloric lanthanum manganites using Gaussian process regression. *Journal of Magnetism and Magnetic Materials*, **2020**, 512, 166998	2.8	55
32	Relative cooling power modeling of lanthanum manganites using Gaussian process regression.. *RSC Advances*, **2020**, 10, 20646-20653	3.7	50
31	Machine Learning Band Gaps of Doped-TiO Photocatalysts from Structural and Morphological Parameters. *ACS Omega*, **2020**, 5, 15344-15352	3.9	53
30	Machine learning the magnetocaloric effect in manganites from compositions and structural parameters. *AIP Advances*, **2020**, 10, 035220	1.5	49
29	Machine learning the magnetocaloric effect in manganites from lattice parameters. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	49
28	Yttrium barium copper oxide superconducting transition temperature modeling through gaussian process regression. *Computational Materials Science*, **2020**, 179, 109583	3.2	62
27	Predicting doped MgB2 superconductor critical temperature from lattice parameters using Gaussian process regression. *Physica C: Superconductivity and Its Applications*, **2020**, 573, 1353633	1.3	51
26	Machine learning optical band gaps of doped-ZnO films. *Optik*, **2020**, 217, 164808	2.5	44
25	Machine learning glass transition temperature of polymers. *Heliyon*, **2020**, 6, e05055	3.6	29
24	Machine Learning Decomposition Onset Temperature of Lubricant Additives. *Journal of Materials Engineering and Performance*, **2020**, 29, 6605-6616	1.6	29
23	Machine Learning the Central Magnetic Flux Density of Superconducting Solenoids. *Materials Technology*, **2020**, 1-8	2.1	21
22	Machine learning lattice constants for cubic perovskiteA2XY6compounds. *Journal of Solid State Chemistry*, **2020**, 291, 121558	3.3	23
21	Machine learning lattice constants for spinel compounds. *Chemical Physics Letters*, **2020**, 760, 137993	2.5	27

20	Transformation Temperature Predictions Through Computational Intelligence for NiTi-Based Shape Memory Alloys. *Shape Memory and Superelasticity*, **2020**, 6, 374-386	2.8	29
19	Machine learning lattice constants from ionic radii and electronegativities for cubic perovskite (A_{2}XY_{6}) compounds. *Physics and Chemistry of Minerals*, **2020**, 47, 1	1.6	24
18	Predicting As(_{x})Se(_{1-x}) Glass Transition Onset Temperature. *International Journal of Thermophysics*, **2020**, 41, 1	2.1	28
17	Machine Learning Lattice Constants for Cubic Perovskite Compounds. *ChemistrySelect*, **2020**, 5, 9999-10009	1.8	32
16	Machine learning lattice constants for cubic perovskite A22+BB?O6 compounds. *CrystEngComm*, **2020**, 22, 6385-6397	3.3	43
15	Machine learning modeling of lattice constants for half-Heusler alloys. *AIP Advances*, **2020**, 10, 045121	1.5	42
14	Formation of Bi2Sr2CaCu2Ox/Ag multifilamentary metallic precursor powder-in-tube wires. *Superconductor Science and Technology*, **2016**, 29, 125005	3.1	53
13	High critical current density Bi2Sr2CaCu2Ox/Ag wire containing oxide precursor synthesized from nano-oxides. *Superconductor Science and Technology*, **2016**, 29, 095012	3.1	59
12	Synthesis of Bi2Sr2CaCu2Oxsuperconductors via direct oxidation of metallic precursors. *Superconductor Science and Technology*, **2014**, 27, 055016	3.1	55
11	Practical Design of Ni3Al with High Hot Workability. *Materials Research Society Symposia Proceedings*, **1996**, 460, 517		
10	Ductility Response of Ni3Al-Zr-B Base Alloys with Ternary Elements to Strain Rate and High Temperature. *Materials Research Society Symposia Proceedings*, **1996**, 460, 511		
9	The Effects of Alloy Addittons of Si and Transitton Metal Elements on the Mechanical Properties of B-Doped Ds Ni3Al. *Materials Research Society Symposia Proceedings*, **1990**, 213, 515		2
8	Contemporaneous causality among one hundred Chinese cities. *Empirical Economics*,1	1.2	3
7	NETWORK ANALYSIS OF HOUSING PRICE COMOVEMENTS OF A HUNDRED CHINESE CITIES. *National Institute Economic Review*,1-19	1.1	6
6	Second-hand house price index forecasting with neural networks. *Journal of Property Research*,1-22	1.4	7
5	Machine Learning Steel Ms Temperature. *Simulation*,003754972199557	1.2	2
4	Machine learning glass transition temperature of polymethacrylates. *Molecular Crystals and Liquid Crystals*,1-14	0.5	2
3	Predicting mechanical performance of starch-based foam materials. *Journal of Cellular Plastics*,0021955X2110626	1.5	2

2	Coking coal futures price index forecasting with the neural network. *Mineral Economics*,	2.2	2
1	Residential housing price index forecasting via neural networks. *Neural Computing and Applications*,1	4.8	1