Bing Liu

List of Publications by Year in Descending Order

52 papers	763 citations	17 h-index	26 g-index
54 ext. papers	962 ext. citations	4.4 avg, IF	4.36 L-index

#	Paper	IF	Citations
52	A novel screening on the specific peptide by molecular simulation and development of the electrochemical immunosensor for aflatoxin B1 in grains. *Food Chemistry*, **2022**, 372, 131322	8.5	3
51	Point cloud classification by dynamic graph CNN with adaptive feature fusion. *IET Computer Vision*, **2021**, 15, 235-244	1.4	1
50	A stable and sensitive enzyme-linked immunosorbent assay (ELISA) for the determination of metsulfuron-methyl residues in foods. *Journal of Food Science*, **2021**, 86, 3176-3187	3.4	1
49	Shape robust Siamese network tracking based on weakly supervised learning. *International Journal of Wavelets, Multiresolution and Information Processing*, **2021**, 19, 2050057	0.9	
48	Semantic Segmentation of Remote-Sensing Images Based on Multiscale Feature Fusion and Attention Refinement. *IEEE Geoscience and Remote Sensing Letters*, **2021**, 1-5	4.1	1
47	Using Siamese capsule networks for remote sensing scene classification. *Remote Sensing Letters*, **2020**, 11, 757-766	2.3	4
46	Character-level text classification via convolutional neural network and gated recurrent unit. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 1939-1949	3.8	9
45	Remote sensing image captioning via Variational Autoencoder and Reinforcement Learning. *Knowledge-Based Systems*, **2020**, 203, 105920	7.3	17
44	Semisupervised Multiscale Generative Adversarial Network for Semantic Segmentation of Remote Sensing Image. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 1-5	4.1	0
43	Flat random forest: a new ensemble learning method towards better training efficiency and adaptive model size to deep forest. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 2501-2513	3.8	5
42	Formation of a creatinine thermal degradation product and its role and participation in the radical pathway of forming the pyridine ring of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). *Food Chemistry*, **2020**, 312, 126083	8.5	4
41	A survey of semi- and weakly supervised semantic segmentation of images. *Artificial Intelligence Review*, **2020**, 53, 4259-4288	9.7	14
40	Roof Pressure Prediction in Coal Mine Based on Grey Neural Network. *IEEE Access*, **2020**, 8, 117051-117061	3.9	1
39	Remote sensing image caption generation via transformer and reinforcement learning. *Multimedia Tools and Applications*, **2020**, 79, 26661-26682	2.5	15
38	Remote sensing scene classification based on rotation-invariant feature learning and joint decision making. *Eurasip Journal on Image and Video Processing*, **2019**, 2019,	2.5	22
37	Siamese Convolutional Neural Networks for Remote Sensing Scene Classification. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 1200-1204	4.1	80
36	Application of CdTe/CdS/ZnS quantum dot in immunoassay for aflatoxin B1 and molecular modeling of antibody recognition. *Analytica Chimica Acta*, **2019**, 1047, 139-149	6.6	25

35	Fluoroimmunoassays for the detection of zearalenone in maize using CdTe/CdS/ZnS quantum dots. *Food Chemistry*, **2018**, 255, 421-428	8.5	40
34	Influence of dimensionality and crystallization on visible-light hydrogen production of Au@TiO2 core–shell photocatalysts based on localized surface plasmon resonance. *Catalysis Science and Technology*, **2018**, 8, 1094-1103	5.5	24
33	Dual Effects of Creatinine on the Formation of 2-Amino-1-Methyl-6-Phenylimidazo [4,5-b]pyridine (PhIP). *Journal of Food Science*, **2018**, 83, 294-299	3.4	3
32	Development of an Enzyme-Linked Immunosorbent Assay for the Detection of Difenoconazole Residues in Fruits and Vegetables. *Food Analytical Methods*, **2018**, 11, 119-127	3.4	15
31	Spectral regression based marginal Fisher analysis dimensionality reduction algorithm. *Neurocomputing*, **2018**, 277, 101-107	5.4	4
30	A Sensitive Electrochemical Immunosensor Based on PAMAM Dendrimer-Encapsulated Au for Detection of Norfloxacin in Animal-Derived Foods. *Sensors*, **2018**, 18,	3.8	27
29	Self-Assembly of Ln(III)-Containing Tungstotellurates(VI): Correlation of Structure and Photoluminescence. *Inorganic Chemistry*, **2018**, 57, 8831-8840	5.1	28
28	Fluorescence Quenching Immunoaffinity Test Column with Quantum Dots as Fluorescence Donors for the Quick Detection of Malachite Green and Crystal Violet in Aquatic Products. *Food Analytical Methods*, **2018**, 11, 3362-3370	3.4	5
27	Substructure-activity relationship studies on antibody recognition for phenylurea compounds using competitive immunoassay and computational chemistry. *Scientific Reports*, **2018**, 8, 3131	4.9	13
26	Review of Immunoassay Methods for the Detection of Sulfonamides. *Current Organic Chemistry*, **2018**, 21,	1.7	1
25	Template Electro-Etching-Mediated FeOOH Nanotubes as Highly Efficient Photoactive Electrocatalysts for Oxygen Evolution Reaction. *ACS Applied Energy Materials*, **2018**,	6.1	3
24	Photo-reduction assisted synthesis of W-doped TiO2 coupled with Au nanoparticles for highly efficient photocatalytic hydrogen evolution. *CrystEngComm*, **2017**, 19, 675-683	3.3	14
23	Semi-supervised low rank kernel learning algorithm via extreme learning machine. *International Journal of Machine Learning and Cybernetics*, **2017**, 8, 1039-1052	3.8	18
22	Role of β-Dicarbonyl Compounds in the Inhibition Effect of Reducing Sugars on the Formation of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 10084-10092	5.7	6
21	Embedded non-parametric kernel learning for kernel clustering. *Multidimensional Systems and Signal Processing*, **2017**, 28, 1697-1715	1.8	
20	Character-Level neural networks for short text classification **2017**,		3
19	Basil Seed Inspired Design for a Monodisperse Core-Shell Sn@C Hybrid Confined in a Carbon Matrix for Enhanced Lithium-Storage Performance. *Chemistry - an Asian Journal*, **2016**, 11, 3520-3527	4.5	3
18	Inhibition of 2-Amino-1-methyl-6-phenylimidazo [4,5-b]pyridine (PhIP) Formation by Alkoxy Radical Scavenging of Flavonoids and Their Quantitative Structure-Activity Relationship in a Model System. *Journal of Food Science*, **2016**, 81, C1908-13	3.4	8

17	Development and comparison of immunochromatographic strips with three nanomaterial labels: Colloidal gold, nanogold-polyaniline-nanogold microspheres (GPGs) and colloidal carbon for visual detection of salbutamol. *Biosensors and Bioelectronics*, **2016**, 85, 337-342	11.8	34
16	Manifold regularized extreme learning machine. *Neural Computing and Applications*, **2016**, 27, 255-269	4.8	18
15	Development of an Enzyme-Linked Immunosorbent Assay for the Detection of 2-Amino-3-Methylimidazo [4, 5-f] Quinoline (IQ) in Processed Foods. *Food Analytical Methods*, **2016**, 9, 1036-1045	3.4	2
14	Regularized Embedded Multiple Kernel Dimensionality Reduction for Mine Signal Processing. *Computational Intelligence and Neuroscience*, **2016**, 2016, 4920670	3	1
13	Engineering microtubular SnO2 architecture assembled by interconnected nanosheets for high lithium storage capacity. *RSC Advances*, **2015**, 5, 30053-30061	3.7	7
12	Multiple kernel dimensionality reduction via spectral regression and trace ratio maximization. *Knowledge-Based Systems*, **2015**, 83, 159-169	7.3	13
11	A Kernel Clustering-Based Possibilistic Fuzzy Extreme Learning Machine for Class Imbalance Learning. *Cognitive Computation*, **2015**, 7, 74-85	4.4	13
10	Synthesis of Cd2SnO4-SnO2 hybrid micro-cubes with enhanced electrochemical performance for lithium-ion batteries. *CrystEngComm*, **2014**, 16, 922-929	3.3	17
9	High-surface-area F-doped amorphous MoOx with high-performance lithium storage properties. *Journal of Materials Chemistry A*, **2014**, 2, 3338	13	39
8	Unsupervised non-parametric kernel learning algorithm. *Knowledge-Based Systems*, **2013**, 44, 1-9	7.3	7
7	A simple reduction process to synthesize MoO2/C composites with cage-like structure for high-performance lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 8831-7	3.6	45
6	Multiple Kernel Spectral Regression for Dimensionality Reduction. *Journal of Applied Mathematics*, **2013**, 2013, 1-8	1.1	3
5	Extreme Maximum Margin Clustering. *IEICE Transactions on Information and Systems*, **2013**, E96.D, 1745-1753	0.63	7
4	Interconnected core-shell MoO2 microcapsules with nanorod-assembled shells as high-performance lithium-ion battery anodes. *Journal of Materials Chemistry*, **2012**, 22, 13334		103
3	Production of the class-specific antibody and development of direct competitive ELISA for multi-residue detection of organophosphorus pesticides. *Food and Agricultural Immunology*, **2012**, 23, 157-168	2.9	18
2	Enzyme-linked immunosorbent assay and immunochromatographic strip for rapid detection of atrazine in water samples. *Mikrochimica Acta*, **2012**, 177, 177-184	5.8	18
1	A siamese pedestrian alignment network for person re-identification. *Multimedia Tools and Applications*,1	2.5	