

Xinghua Li

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109
papers

6,016
citations

41
h-index

76
g-index

123
ext. papers

7,281
ext. citations

6.6
avg, IF

6.18
L-index

#	Paper	IF	Citations
109	One-pot synthesis of CoFe ₂ O ₄ /graphene oxide hybrids and their conversion into FeCo/graphene hybrids for lightweight and highly efficient microwave absorber. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5535-5546	13	420
108	Co ²⁺ /Co ³⁺ ratio dependence of electromagnetic wave absorption in hierarchical NiCo ₂ O ₄ /CoNiO ₂ hybrids. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7677-7690	7.1	364
107	Particulate and trace gas emissions from open burning of wheat straw and corn stover in China. <i>Environmental Science & Technology</i> , 2007 , 41, 6052-8	10.3	312
106	Interfacial interactions and synergistic effect of CoNi nanocrystals and nitrogen-doped graphene in a composite microwave absorber. <i>Carbon</i> , 2016 , 104, 214-225	10.4	275
105	Solvothermal synthesis of nitrogen-doped graphene decorated by superparamagnetic Fe ₃ O ₄ nanoparticles and their applications as enhanced synergistic microwave absorbers. <i>Carbon</i> , 2017 , 115, 493-502	10.4	243
104	Missing Information Reconstruction of Remote Sensing Data: A Technical Review. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2015 , 3, 61-85	8.9	228
103	Recovering Quantitative Remote Sensing Products Contaminated by Thick Clouds and Shadows Using Multitemporal Dictionary Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 7086-7098	8.1	186
102	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 4274-4288	8.1	175
101	Establishment of a database of emission factors for atmospheric pollutants from Chinese coal-fired power plants. <i>Atmospheric Environment</i> , 2010 , 44, 1515-1523	5.3	175
100	Phosphorization boosts the capacitance of mixed metal nanosheet arrays for high performance supercapacitor electrodes. <i>Nanoscale</i> , 2018 , 10, 11775-11781	7.7	174
99	Carbonaceous aerosol emissions from household biofuel combustion in China. <i>Environmental Science & Technology</i> , 2009 , 43, 6076-81	10.3	166
98	Optimization of porous FeNi ₃ /N-GN composites with superior microwave absorption performance. <i>Chemical Engineering Journal</i> , 2018 , 345, 441-451	14.7	160
97	Hydrophobic graphene nanosheets decorated by monodispersed superparamagnetic Fe ₃ O ₄ nanocrystals as synergistic electromagnetic wave absorbers. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4452-4463	7.1	152
96	On the source contribution to Beijing PM _{2.5} concentrations. <i>Atmospheric Environment</i> , 2016 , 134, 84-95	5.3	114
95	Fine particle and trace element emissions from an anthracite coal-fired power plant equipped with a bag-house in China. <i>Fuel</i> , 2008 , 87, 2050-2057	7.1	112
94	Investigating the Origin of Enhanced C Selectivity in Oxide-/Hydroxide-Derived Copper Electrodes during CO Electroreduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4213-4222	16.4	109
93	Source contributions and regional transport of primary particulate matter in China. <i>Environmental Pollution</i> , 2015 , 207, 31-42	9.3	106

92	Cloud removal in remote sensing images using nonnegative matrix factorization and error correction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 148, 103-113	11.8	91
91	Emission Characteristics of Particulate Matter from Rural Household Biofuel Combustion in China. <i>Energy & Fuels</i> , 2007 , 21, 845-851	4.1	88
90	Modeling biogenic and anthropogenic secondary organic aerosol in China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 77-92	6.8	87
89	PM-bound PAHs in three indoor and one outdoor air in Beijing: Concentration, source and health risk assessment. <i>Science of the Total Environment</i> , 2017 , 586, 255-264	10.2	84
88	Fe ₃ O ₄ @graphene hybrids: nanoscale characterization and their enhanced electromagnetic wave absorption in gigahertz range. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	78
87	Searching for magnetism in pyrrolic N-doped graphene synthesized via hydrothermal reaction. <i>Carbon</i> , 2015 , 84, 460-468	10.4	75
86	Characteristics of inhalable particulate matter concentration and size distribution from power plants in China. <i>Journal of the Air and Waste Management Association</i> , 2006 , 56, 1243-51	2.4	75
85	Sandwich-like graphene nanosheets decorated with superparamagnetic CoFe ₂ O ₄ nanocrystals and their application as an enhanced electromagnetic wave absorber. <i>RSC Advances</i> , 2014 , 4, 33619-33625	3.7	73
84	Semi-coke briquettes: towards reducing emissions of primary PM _{2.5} , particulate carbon, and carbon monoxide from household coal combustion in China. <i>Scientific Reports</i> , 2016 , 6, 19306	4.9	70
83	Compressed Sensing-Based Inpainting of Aqua Moderate Resolution Imaging Spectroradiometer Band 6 Using Adaptive Spectrum-Weighted Sparse Bayesian Dictionary Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 894-906	8.1	69
82	Removal of low-concentration formaldehyde in air by adsorption on activated carbon modified by hexamethylene diamine. <i>Carbon</i> , 2011 , 49, 2873-2875	10.4	67
81	A deep translation (GAN) based change detection network for optical and SAR remote sensing images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 179, 14-34	11.8	65
80	Crystalline-Amorphous Permalloy@Iron Oxide Core-Shell Nanoparticles Decorated on Graphene as High-Efficiency, Lightweight, and Hydrophobic Microwave Absorbents. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6374-6383	9.5	64
79	Patch Matching-Based Multitemporal Group Sparse Representation for the Missing Information Reconstruction of Remote-Sensing Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 3629-3641	4.7	64
78	Robust registration for remote sensing images by combining and localizing feature- and area-based methods. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 151, 15-26	11.8	62
77	Sparse-based reconstruction of missing information in remote sensing images from spectral/temporal complementary information. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015 , 106, 1-15	11.8	60
76	A robust mosaicking procedure for high spatial resolution remote sensing images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015 , 109, 108-125	11.8	59
75	Remote Sensing Image Mosaicking: Achievements and Challenges. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2019 , 7, 8-22	8.9	56

74	Direct Imaging of Tunable Crystal Surface Structures of MOF MIL-101 Using High-Resolution Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12021-12028	16.4	47
73	A long-term and comprehensive assessment of the urbanization-induced impacts on vegetation net primary productivity. <i>Science of the Total Environment</i> , 2019 , 669, 342-352	10.2	46
72	Chemical Composition and Light Extinction Contribution of PM2.5 in Urban Beijing for a 1-Year Period. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 2200-2211	4.6	46
71	Characterization of non-methane hydrocarbons emitted from open burning of wheat straw and corn stover in China. <i>Environmental Research Letters</i> , 2009 , 4, 044015	6.2	43
70	Detection and prediction of land use/land cover change using spatiotemporal data fusion and the Cellular Automata-Markov model. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 68	3.1	43
69	A Moving Weighted Harmonic Analysis Method for Reconstructing High-Quality SPOT VEGETATION NDVI Time-Series Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 6008-6021	8.1	41
68	Carbon nanofibers supported by FeCo nanocrystals as difunctional magnetic/dielectric composites with broadband microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2020 , 824, 153980	5.7	39
67	Oxygen vacancies driven size-dependent room temperature ferromagnetism in well-dispersed dopant-free ZnO nanoparticles and density functional theory calculation. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 1080-1088	5.7	37
66	Interface engineering boosts electrochemical performance by fabricating CeO ₂ @CoP Schottky junction for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020 , 337, 135817	6.7	34
65	Monitoring snow cover variability (2000-2014) in the Hengduan Mountains based on cloud-removed MODIS products with an adaptive spatio-temporal weighted method. <i>Journal of Hydrology</i> , 2017 , 551, 314-327	6	33
64	Sources of humic-like substances (HULIS) in PM in Beijing: Receptor modeling approach. <i>Science of the Total Environment</i> , 2019 , 671, 765-775	10.2	33
63	On demand synthesis of hollow fullerene nanostructures. <i>Nature Communications</i> , 2019 , 10, 1548	17.4	32
62	A Combined Loss-Based Multiscale Fully Convolutional Network for High-Resolution Remote Sensing Image Change Detection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 1-5	4.1	32
61	The recent developments in cloud removal approaches of MODIS snow cover product. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 2401-2416	5.5	31
60	In-situ synthesis of carbon nanotubes decorated by magnetite nanoclusters and their applications as highly efficient and enhanced microwave absorber. <i>Ceramics International</i> , 2016 , 42, 19110-19118	5.1	31
59	Shape-controlled synthesis of Fe nanostructures and their enhanced microwave absorption properties at L-band. <i>Materials Research Bulletin</i> , 2014 , 59, 137-141	5.1	31
58	Dead Pixel Completion of Aqua MODIS Band 6 Using a Robust M-Estimator Multiregression. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 768-772	4.1	28
57	Porous Co nanospheres supported on nitrogen-doped graphene as high-efficiency electromagnetic wave absorbers with thin thickness. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 928-936	5.7	27

56	Synthesis and loading-dependent characteristics of nitrogen-doped graphene foam/carbon nanotube/manganese oxide ternary composite electrodes for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2017 , 501, 1-10	9.3	26
55	PM2.5 mass, chemical composition, and light extinction before and during the 2008 Beijing Olympics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 12,158-12,167	4.4	26
54	DEM generation from contours and a low-resolution DEM. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017 , 134, 135-147	11.8	26
53	One-pot, template- and surfactant-free solvothermal synthesis of high-crystalline Fe ₃ O ₄ nanostructures with adjustable morphologies and high magnetization. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 423, 321-326	2.8	24
52	Comparison of Elemental Mercury Oxidation Across Vanadium and Cerium Based Catalysts in Coal Combustion Flue Gas: Catalytic Performances and Particulate Matter Effects. <i>Environmental Science & Technology</i> , 2018 , 52, 2981-2987	10.3	23
51	Light absorption of organic aerosol from pyrolysis of corn stalk. <i>Atmospheric Environment</i> , 2016 , 144, 249-256	5.3	21
50	A Flexible Reference-Insensitive Spatiotemporal Fusion Model for Remote Sensing Images Using Conditional Generative Adversarial Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-13	8.1	21
49	. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021 , 9, 112-137	8.9	21
48	Characteristics and Relationships between Indoor and Outdoor PM2.5 in Beijing: A Residential Apartment Case Study. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2386-2395	4.6	20
47	Oxygen-Assisted Cathodic Deposition of Zeolitic Imidazolate Frameworks with Controlled Thickness. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1123-1128	16.4	20
46	Nanostructural and magnetic studies of virtually monodispersed NiFe ₂ O ₄ nanocrystals synthesized by a liquid-solid-solution assisted hydrothermal route. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	19
45	Synthesis of hierarchical hollow urchin-like HGRs/MoS ₂ /MnO ₂ composite and its excellent supercapacitor performance. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 241-247	5.7	18
44	Ultrathin NiCo-layered double hydroxide nanosheets arrays vertically grown on Ni foam as binder-free high-performance supercapacitors. <i>Inorganic Chemistry Communication</i> , 2019 , 101, 125-129	3.1	17
43	Doping effect and oxygen defects boost room temperature ferromagnetism of Co-doped ZnO nanoparticles: experimental and theoretical studies.. <i>RSC Advances</i> , 2019 , 9, 23012-23020	3.7	16
42	Effect of graphene thickness on the morphology evolution of hierarchical NiCoO ₂ architectures and their superior supercapacitance performance. <i>Ceramics International</i> , 2018 , 44, 4875-4882	5.1	16
41	Amorphous Fe ₃ B ₁₀₀ nanostructures: Facile synthesis, magnetic properties and their applications as enhanced microwave absorbers at S- and C-bands. <i>Advanced Powder Technology</i> , 2016 , 27, 704-710	4.6	15
40	A 33-Year NPP Monitoring Study in Southwest China by the Fusion of Multi-Source Remote Sensing and Station Data. <i>Remote Sensing</i> , 2017 , 9, 1082	5	14
39	Highly Enantioselective Synthesis of N-Protected α -Amino Malonates Catalyzed by Magnetically Separable Heterogeneous Rosin-Derived Amino Thiourea Catalysts: A Stereocontrolled Approach to α -Amino Acids. <i>ChemCatChem</i> , 2013 , 5, 2187-2190	5.2	14

38	Ultrathin and Highly Crumpled/Porous CoP Nanosheet Arrays Anchored on Graphene Boosts the Capacitance and Their Synergistic Effect toward High-Performance Battery-Type Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26373-26383	9.5	14
37	Fe ₃ C nanocrystals encapsulated in N-doped carbon nanofibers as high-efficient microwave absorbers with superior oxidation/corrosion resistance. <i>Carbon</i> , 2021 , 178, 515-527	10.4	13
36	Enhanced performance of supercapacitor electrode materials based on hierarchical hollow flowerlike HRGOs/Ni-doped MoS ₂ composite. <i>Journal of Alloys and Compounds</i> , 2020 , 824, 153873	5.7	12
35	Design of a compact dilution sampler for stationary combustion sources. <i>Journal of the Air and Waste Management Association</i> , 2011 , 61, 1124-30	2.4	12
34	Study of Secondary Organic Aerosol Formation from Chlorine Radical-Initiated Oxidation of Volatile Organic Compounds in a Polluted Atmosphere Using a 3D Chemical Transport Model. <i>Environmental Science & Technology</i> , 2020 , 54, 13409-13418	10.3	12
33	Long time-series NDVI reconstruction in cloud-prone regions via spatio-temporal tensor completion. <i>Remote Sensing of Environment</i> , 2021 , 264, 112632	13.2	12
32	Microwave absorption enhancement of nickel cobalt phosphides by decorating on reduced graphene oxide. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 201-208	3.3	11
31	Design of spinous Ni/N-GN nanocomposites as novel magnetic/dielectric microwave absorbers with high-efficiency absorption performance and thin thickness. <i>Journal of Materials Science</i> , 2018 , 53, 9034-9045	4.3	11
30	A Two-Stage Fusion Framework to Generate a Spatio-temporally Continuous MODIS NDSI Product over the Tibetan Plateau. <i>Remote Sensing</i> , 2019 , 11, 2261	5	11
29	Climate Control on Net Primary Productivity in the Complicated Mountainous Area: A Case Study of Yunnan, China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 4637-4648	4.7	11
28	Well-defined flowerlike NdOCl nanostructures: nonaqueous sol-gel synthesis, nanoscale characterization and their magnetic and photoluminescence properties. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 584-89	4.5	10
27	Thermal decomposition synthesis of single-crystalline porous ZnO nanoplates self-assembled by tiny nanocrystals and their pore-dependent magnetic properties. <i>Ceramics International</i> , 2017 , 43, 6029-6038	5.1	9
26	Generating High-Quality and High-Resolution Seamless Satellite Imagery for Large-Scale Urban Regions. <i>Remote Sensing</i> , 2020 , 12, 81	5	9
25	PM _{2.5} Chemical Compositions and Aerosol Optical Properties in Beijing during the Late Fall. <i>Atmosphere</i> , 2015 , 6, 164-182	2.7	9
24	Facile synthesis of hollow Fe ₂ O ₃ nanotubes on nitrogen-doped graphene and their electrochemical performances. <i>Ionics</i> , 2017 , 23, 3203-3210	2.7	8
23	Block Adjustment-Based Radiometric Normalization by Considering Global and Local Differences. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-5	4.1	8
22	Region-by-Region Registration Combining Feature-Based and Optical Flow Methods for Remote Sensing Images. <i>Remote Sensing</i> , 2021 , 13, 1475	5	8
21	Nonhydrolytic colloidal synthesis of ligand-capped single-crystalline NdOCl nanocubes and their magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 681-685	5.7	7

20	Light Absorption Properties of Organic Aerosol from Wood Pyrolysis: Measurement Method Comparison and Radiative Implications. <i>Environmental Science & Technology</i> , 2020 , 54, 7156-7164	10.3	7
19	Controllable synthesis of porous CuO-Cu ₂ O/rGO microspheres composite as high-performance electrode material for supercapacitors. <i>Composite Interfaces</i> , 2020 , 27, 845-858	2.3	7
18	Boosting dual-interfacial polarization by decorating hydrophobic graphene with high-crystalline core-shell FeCo@Fe ₃ O ₄ nanoparticle for improved microwave absorption. <i>Carbon</i> , 2022 , 186, 333-343	10.4	6
17	One-pot, template-free synthesis of hydrophobic single-crystalline La(OH) ₃ nanowires with tunable size and their d ₀ ferromagnetic properties. <i>RSC Advances</i> , 2015 , 5, 16093-16100	3.7	5
16	Seed-Assisted Synthesis of Zeolite Beta from Solid-State Conversion of Magadiite and an Investigation on the Crystallization Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18824-18834	3.9	5
15	Hydrothermal synthesis of uniform Fe-doped Gd(OH) ₃ nanorods and their magnetic properties: Phase conversion from paramagnetism to ferromagnetism. <i>Ceramics International</i> , 2017 , 43, 7881-7888	5.1	4
14	Registration of multitemporal GF-1 remote sensing images with weighting perspective transformation model 2017 ,		4
13	Dechlorination of 2,2',4,4',5,5'-hexachlorobiphenyl by thermal reaction with activated carbon-supported copper or zinc. <i>Frontiers of Environmental Science and Engineering</i> , 2013 , 7, 827-832	5.8	3
12	Cloud removal by fusing multi-source and multi-temporal images 2017 ,		3
11	SpatialTemporal analysis of urban ecological comfort index derived from remote sensing data: a case study of Hefei, China. <i>Journal of Applied Remote Sensing</i> , 2021 , 15,	1.4	3
10	Temporal Domain Group Sparse Representation Based Cloud Removal for Remote Sensing Images. <i>Lecture Notes in Computer Science</i> , 2015 , 444-452	0.9	2
9	Emission of PM _{2.5} -Bound Polycyclic Aromatic Hydrocarbons from Biomass and Coal Combustion in China. <i>Atmosphere</i> , 2021 , 12, 1129	2.7	2
8	Restoring Aqua MODIS band 6 by other spectral bands using compressed sensing theory 2012 ,		1
7	Low-Resolution Fully Polarimetric SAR and High-Resolution Single-Polarization SAR Image Fusion Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	1
6	Hydrothermal synthesis of nitrogen-doped graphene as lightweight and high-efficient electromagnetic wave absorbers. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 26116	2.1	1
5	Oxygen-Assisted Cathodic Deposition of Zeolitic Imidazolate Frameworks with Controlled Thickness. <i>Angewandte Chemie</i> , 2019 , 131, 1135-1140	3.6	1
4	The Environmental Story During the COVID-19 Lockdown: How Human Activities Affect PM _{2.5} Concentration in China?. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022 , 19, 1001005	4.1	1
3	Hierarchical Ni ₂ P@Ni(OH) ₂ architectures supported on carbon cloth as battery-type electrodes for hybrid supercapacitors with boosting specific capacitance and cycle stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 7973-7986	2.1	0

- 2 Construction of flower-like core-shell Fe₃O₄@2H-MoS₂ heterostructures: Boosting the interfacial polarization for high-performance microwave absorption. *Ceramics International*, **2022**, 48, 9918-9926 5.1 0
- 1 Anomalous Ferromagnetism and Electron Microscopy Characterization of High-Quality Neodymium Oxychlorides Nanocrystals. *Nano*, **2016**, 11, 1650034 1.1