Guang Yang

List of Publications by Year
in descending order

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268	7,540	76196	82410
papers	citations	40 h-index	72 g-index

272	272	272	8313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AI-based medical e-diagnosis for fast and automatic ventricular volume measurement in patients with normal pressure hydrocephalus. Neural Computing and Applications, 2023, 35, 16011-16020.	3.2	6
2	Adaptive Hierarchical Dual Consistency for Semi-Supervised Left Atrium Segmentation on Cross-Domain Data. IEEE Transactions on Medical Imaging, 2022, 41, 420-433.	5.4	24
3	JAS-GAN: Generative Adversarial Network Based Joint Atrium and Scar Segmentations on Unbalanced Atrial Targets. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 103-114.	3.9	46
4	Unbox the black-box for the medical explainable AI via multi-modal and multi-centre data fusion: A mini-review, two showcases and beyond. Information Fusion, 2022, 77, 29-52.	11.7	280
5	Annealing Genetic GAN for Imbalanced Web Data Learning. IEEE Transactions on Multimedia, 2022, 24, 1164-1174.	5.2	12
6	Radiomics nomogram analysis of T2-fBLADE-TSE in pulmonary nodules evaluation. Magnetic Resonance Imaging, 2022, 85, 80-86.	1.0	4
7	Prognostic aspects of lymphovascular invasion in localized gastric cancer: new insights into the radiomics and deep transfer learning from contrast-enhanced CT imaging. Abdominal Radiology, 2022, 47, 496-507.	1.0	6
8	Investigation of Structural Transformation of a Chain-like Silver(I) Pyrazolate into a Triangular Isomer. Crystal Growth and Design, 2022, 22, 259-268.	1.4	3
9	Dynamics of a gas bubble penetrating through porous media. Physics of Fluids, 2022, 34, .	1.6	11
10	The â€œGreenhouseâ€•Technique Using Knotless Single-Row Suture Bridge Combined With Bone Marrow Stimulation for the Arthroscopic Treatment of Rotator Cuff Tears. Arthroscopy Techniques, 2022, 11, e189-e196.	0.5	0
11	In situ imaging of three dimensional freeze printing process using rapid x-ray synchrotron radiography. Review of Scientific Instruments, 2022, 93, 013703.	0.6	2
12	Edge-enhanced dual discriminator generative adversarial network for fast MRI with parallel imaging using multi-view information. Applied Intelligence, 2022, 52, 14693-14710.	3.3	6
13	Numerical simulation of single bubble evolution in low gravity with fluctuation. International Communications in Heat and Mass Transfer, 2022, 130, 105828.	2.9	5
14	MR-based radiomics-clinical nomogram in epithelial ovarian tumor prognosis prediction: tumor body texture analysis across various acquisition protocols. Journal of Ovarian Research, 2022, 15, 6.	1.3	6
15	Automated Segmentation of Midbrain Structures in High-Resolution Susceptibility Maps Based on Convolutional Neural Network and Transfer Learning. Frontiers in Neuroscience, 2022, 16, 801618.	1.4	3
16	AI-Based Reconstruction for Fast MRIâ€”A Systematic Review and Meta-Analysis. Proceedings of the IEEE, 2022, 110, 224-245.	16.4	57
17	Evaluation of the Water Resource Carrying Capacity on the North Slope of the Tianshan Mountains, Northwest China. Sustainability, 2022, 14, 1905.	1.6	9
18	Celebration of Professor Bernhard Weigand on his 60th birthday. International Journal of Heat and Mass Transfer, 2022, 188, 122626.	2.5	0

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19	Numerical Simulation of Heat and Momentum Transport at the Coupled Interface between a Rectangular Channel and Porous Media. Journal of Thermal Science, 2022, 31, 332-343.	0.9	1
20	Pressure-Driven Phase Separation Based on Modified Porous Mesh for Liquid Management in Microgravity. Langmuir, 2022, 38, 2919-2927.	1.6	4
21	Unsupervised Image Registration towards Enhancing Performance and Explainability in Cardiac and Brain Image Analysis. Sensors, 2022, 22, 2125.	2.1	2
22	A systematic review on the efficacy of different types of platelet-rich plasma in the management of lateral epicondylitis. Journal of Shoulder and Elbow Surgery, 2022, 31, 1533-1544.	1.2	9
23	MCAL: An Anatomical Knowledge Learning Model for Myocardial Segmentation in 2-D Echocardiography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1277-1287.	1.7	7
24	Automated prediction of the neoadjuvant chemotherapy response in osteosarcoma with deep learning and an MRI-based radiomics nomogram. European Radiology, 2022, 32, 6196-6206.	2.3	21
25	Automatic fine-grained glomerular lesion recognition in kidney pathology. Pattern Recognition, 2022, 127, 108648.	5.1	4
26	Accelerating Cardiac Diffusion Tensor Imaging With a Uâ€Net Based Model: Toward Single Breathâ€Hold. Journal of Magnetic Resonance Imaging, 2022, 56, 1691-1704.	1.9	7
27	Groundwater Dynamic Characteristics with the Ecological Threshold in the Northwest China Oasis. Sustainability, 2022, 14, 5390.	1.6	4
28	Pore-scale numerical simulations of flow and convective heat transfer in a porous woven metal mesh. Chemical Engineering Science, 2022, 256, 117696.	1.9	4
29	Spontaneously grown boehmite structures improve pool boiling heat transfer on aluminium surfaces. International Journal of Heat and Mass Transfer, 2022, 192, 122937.	2.5	13
30	Effects of Different Irrigation Modes on the Growth, Physiology, Farmland Microclimate Characteristics, and Yield of Cotton in an Oasis. Water (Switzerland), 2022, 14, 1579.	1.2	5
31	MRI-based radiomics signature for identification of invisible basal cisterns changes in tuberculous meningitis: a preliminary multicenter study. European Radiology, 2022, 32, 8659-8669.	2.3	5
32	A computerized diagnostic model for automatically evaluating placenta accrete spectrum disorders based on the combined MR radiomics-clinical signatures. Scientific Reports, 2022, 12, .	1.6	3
33	Doping Sodium Tungsten Bronze-Like (Na₅W₁₄O₄₄) Near-Infrared Shielding Functional Units in Bulk Borosilicate Glasses for Energy-Saving Window Applications. ACS Applied Materials & Interfaces, 2022, 14, 32206-32217.	4.0	10
34	Functional microdroplet self-dislodging icephobic surfaces: A review from mechanism to synergic morphology. Applied Thermal Engineering, 2022, 215, 118928.	3.0	4
35	Forecast-informed reservoir operations to guide hydropower and agriculture allocations in the Blue Nile basin, Ethiopia. International Journal of Water Resources Development, 2021, 37, 208-233.	1.2	19
36	On future flood magnitudes and estimation uncertainty across 151 catchments in mainland China. International Journal of Climatology, 2021, 41, E779.	1.5	17

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37	Analytical model of flow-through-screen pressure drop for metal wire screens considering the effects of pore structures. Chemical Engineering Science, 2021, 229, 116037.	1.9	11
38	Industrial Cyber-Physical Systems-Based Cloud IoT Edge for Federated Heterogeneous Distillation. IEEE Transactions on Industrial Informatics, 2021, 17, 5511-5521.	7.2	35
39	Insights into the enhancement of CO2 adsorption on faujasite with a low Si/Al ratio: Understanding the formation sequence of adsorption complexes. Chemical Engineering Journal, 2021, 404, 127056.	6.6	12
40	Transport of Turbulence Across Permeable Interface in a Turbulent Channel Flow: Interface-Resolved Direct Numerical Simulation. Transport in Porous Media, 2021, 136, 165-189.	1.2	15
41	3D PBV-Net: An automated prostate MRI data segmentation method. Computers in Biology and Medicine, 2021, 128, 104160.	3.9	65
42	Copper mixed-triazolate frameworks featuring the thiophene-containing ligand towards enhanced photodegradation of organic contaminants in water. Journal of Hazardous Materials, 2021, 406, 124757.	6.5	11
43	Clinical characteristics and treatment outcomes of pediatric patients with postencephalitic epilepsy characterized by epileptic spasms. Seizure: the Journal of the British Epilepsy Association, 2021, 84, 116-121.	0.9	5
44	Multiparameter Synchronous Measurement With IVUS Images for Intelligently Diagnosing Coronary Cardiac Disease. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	10
45	PIC-GAN: A Parallel Imaging Coupled Generative Adversarial Network for Accelerated Multi-Channel MRI Reconstruction. Diagnostics, 2021, 11, 61.	1.3	34
46	Three-Dimensional Embedded Attentive RNN (3D-EAR) Segmentor for Left Ventricle Delineation from Myocardial Velocity Mapping. Lecture Notes in Computer Science, 2021, , 55-62.	1.0	1
47	Analysis of Factors Influencing Effective Utilization Coefficient of Irrigation Water in the Manas River Basin. Water (Switzerland), 2021, 13, 189.	1.2	4
48	Role of blood oxygenation saturation in ovarian cancer diagnosis using multiâ€spectral photoacoustic tomography. Journal of Biophotonics, 2021, 14, e202000368.	1.1	16
49	Flow Physics of Wicking into Woven Screens with Hybrid Micro-/Nanoporous Structures. Langmuir, 2021, 37, 2289-2297.	1.6	19
50	In Situ Tracking of Wettingâ€Front Transient Heat Release on a Surfaceâ€Mounted Metalâ€“Organic Framework. Advanced Materials, 2021, 33, 2006980.	11.1	7
51	Multitask Learning for Estimating Multitype Cardiac Indices in MRI and CT Based on Adversarial Reverse Mapping. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 493-506.	7.2	29
52	Moisture, Temperature, and Salinity of a Typical Desert Plant (Haloxylon ammodendron) in an Arid Oasis of Northwest China. Sustainability, 2021, 13, 1908.	1.6	8
53	Fast and Automated Segmentation for the Three-Directional Multi-Slice Cine Myocardial Velocity Mapping. Diagnostics, 2021, 11, 346.	1.3	27
54	Photoacoustic tomography reconstruction using lag-based delay multiply and sum with coherence factor improves in vivo ovarian cancer diagnosis. , 2021, , .		1

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55	Sliding multi-pixel method to improve sO2 estimation accuracy in in-vivo ovarian cancer diagnosis using photoacoustic tomography. , 2021, , .		0
56	Machine Learning for COVID-19 Diagnosis and Prognostication: Lessons for Amplifying the Signal While Reducing the Noise. Radiology: Artificial Intelligence, 2021, 3, e210011.	3.0	24
57	Fiber side diffuser for endo-cavity photoacoustic imaging. , 2021, , .		0
58	<scp>MEâ€Net</scp>: <scp>Multiâ€encoder</scp> net framework for brain tumor segmentation. International Journal of Imaging Systems and Technology, 2021, 31, 1834-1848.	2.7	76
59	Photoacoustic tomography reconstruction using lag-based delay multiply and sum with a coherence factor improves in vivo ovarian cancer diagnosis. Biomedical Optics Express, 2021, 12, 2250.	1.5	8
60	A Bayesian adaptive reservoir operation framework incorporating streamflow non-stationarity. Journal of Hydrology, 2021, 594, 125959.	2.3	9
61	Recent advances in the optimization of evaporator wicks of vapor chambers: From mechanism to fabrication technologies. Applied Thermal Engineering, 2021, 188, 116611.	3.0	32
62	Metalâ€Organic Frameworks: In Situ Tracking of Wettingâ€Front Transient Heat Release on a Surfaceâ€Mounted Metalâ€“Organic Framework (Adv. Mater. 14/2021). Advanced Materials, 2021, 33, 2170109.	11.1	0
63	Self-cleaning loose nanofiltration membranes enabled by photocatalytic Cu-triazolate MOFs for dye/salt separation. Journal of Membrane Science, 2021, 623, 119058.	4.1	87
64	Artificial intelligence is a promising prospect for the detection of prostate cancer extracapsular extension with mpMRI: a two-center comparative study. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3805-3816.	3.3	24
65	Fiber endface photoacoustic generator for quantitative photoacoustic tomography. Optics Letters, 2021, 46, 2706.	1.7	2
66	Assessing Rectal Cancer Treatment Response Using Coregistered Endorectal Photoacoustic and US Imaging Paired with Deep Learningï»¿. Radiology, 2021, 299, 349-358.	3.6	17
67	Which GAN? A comparative study of generative adversarial network-based fast MRI reconstruction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200203.	1.6	17
68	Corrosion resistance of nonstoichiometric gadolinium zirconate coatings against CaO-MgO-Al2O3-SiO2 silicate. Journal of the European Ceramic Society, 2021, 41, 3687-3695.	2.8	7
69	Sensitivity of Forecast Value in Multiobjective Reservoir Operation to Forecast Lead Time and Reservoir Characteristics. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	10
70	Integration of clinicopathologic identification and deep transferrable image feature representation improves predictions of lymph node metastasis in prostate cancer. EBioMedicine, 2021, 68, 103395.	2.7	19
71	Water sharing policies conditioned on hydrologic variability to inform reservoir operations. Hydrology and Earth System Sciences, 2021, 25, 3617-3634.	1.9	4
72	The evolution of hydrochemical and isotopic signatures from precipitation, surface water to groundwater in a typical karst watershed, Central Texas, USA. Isotopes in Environmental and Health Studies, 2021, 57, 492-515.	0.5	0

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73	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	11.7	26
74	Quantitatively Understanding the Insights into CO₂ Adsorption on Faujasite from the Heterogeneity and Occupancy Sequence of Adsorption Sites. Journal of Physical Chemistry C, 2021, 125, 15676-15686.	1.5	10
75	Transfer learning enhanced generative adversarial networks for multi-channel MRI reconstruction. Computers in Biology and Medicine, 2021, 134, 104504.	3.9	42
76	Textured-Based Deep Learning in Prostate Cancer Classification with 3T Multiparametric MRI: Comparison with PI-RADS-Based Classification. Diagnostics, 2021, 11, 1785.	1.3	13
77	Solid solution approach to the design of copper mixed-triazolate multivariate-MOFs for the efficient adsorption of triclosan. Microporous and Mesoporous Materials, 2021, 324, 111297.	2.2	7
78	Research on the Scale of Agricultural Land Moderate Management and Countermeasures Based on Farm Household Analysis. Sustainability, 2021, 13, 10591.	1.6	7
79	Radiomics Feature Analysis of Cartilage and Subchondral Bone in Differentiating Knees Predisposed to Posttraumatic Osteoarthritis after Anterior Cruciate Ligament Reconstruction from Healthy Knees. BioMed Research International, 2021, 2021, 1-9.	0.9	4
80	FA-GAN: Fused attentive generative adversarial networks for MRI image super-resolution. Computerized Medical Imaging and Graphics, 2021, 92, 101969.	3.5	49
81	Effect of halogen on imprinting gradient refractive index microstructure in GeS2â€“Ga2S3â€“NaX (X=F,) Tj ETQq1 1 0.784314 rgBT /Ov 28511-28520.	2.3	4
82	Alkali metal tungsten bronze-doped energy-saving glasses for near-infrared shielding applications. Ceramics International, 2021, 47, 31122-31129.	2.3	12
83	Complexation of triangular silver(<scp>i</scp>) or copper(<scp>i</scp>) nitropyrazolates with dibenzothiophenes having potential use in adsorptive desulfurization. Dalton Transactions, 2021, 50, 2915-2927.	1.6	12
84	High-Resolution Pelvic MRI Reconstruction Using a Generative Adversarial Network With Attention and Cyclic Loss. IEEE Access, 2021, 9, 105951-105964.	2.6	18
85	When and Where Global meets Local: A multilevel analysis of determinants of social trust in the Emirate of Abu Dhabi. Asian Social Work and Policy Review, 2021, 15, 35-46.	0.8	5
86	A superhydrophilic metalâ€“organic framework thin film for enhancing capillary-driven boiling heat transfer. Journal of Materials Chemistry A, 2021, 9, 25480-25487.	5.2	15
87	Preliminary study of 3ÂT-MRI native T1-mapping radiomics in differential diagnosis of non-calcified solid pulmonary nodules/masses. Cancer Cell International, 2021, 21, 539.	1.8	6
88	An assessment of turbulence transportation near regular and random permeable interfaces. Physics of Fluids, 2021, 33, .	1.6	6
89	Radiomics for the Prediction of Epilepsy in Patients With Frontal Glioma. Frontiers in Oncology, 2021, 11, 725926.	1.3	10
90	A Cost-Effective Alpha-Fluorinated Bithienyl Benzodithiophene Unit for High-Performance Polymer Donor Material. ACS Applied Materials & Interfaces, 2021, 13, 55403-55411.	4.0	5

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91	Religious education legislation in an atheist state: towards a typology and policy analysis for contemporary China. British Journal of Religious Education, 2020, 42, 75-89.	0.6	3
92	Phase precipitation behavior of a quenched Î²-solidifying TiAl alloy with a fully-B2 microstructure during annealing at 800Â°C. Journal of Alloys and Compounds, 2020, 812, 152118.	2.8	20
93	Wholeâ€tumor histogram analysis of monoexponential and advanced diffusionâ€weighted imaging for sinonasal malignant tumors: Correlations with histopathologic features. Journal of Magnetic Resonance Imaging, 2020, 51, 273-285.	1.9	16
94	Recent progress in thermal/environmental barrier coatings and their corrosion resistance. Rare Metals, 2020, 39, 498-512.	3.6	58
95	Atrial scar quantification via multi-scale CNN in the graph-cuts framework. Medical Image Analysis, 2020, 60, 101595.	7.0	55
96	Highâ€temperature mechanical and thermal properties of Ca_{1â^'}_xSr_xZrO₃ solid solutions. Journal of the American Ceramic Society, 2020, 103, 1992-2000.	1.9	17
97	A systematic investigation of structural transformation in a copper pyrazolato system: a case study. Dalton Transactions, 2020, 49, 1116-1123.	1.6	11
98	Efficient Method To Obtain the Force Field for CO2 Adsorption on Zeolite 13X: Understanding the Hostâ€“Guest Interaction Mechanisms of Low-Pressure Adsorption. Journal of Physical Chemistry C, 2020, 124, 544-556.	1.5	8
99	Numerical assessment of the effect of water-saving irrigation on the water cycle at the Manas River Basin oasis, China. Science of the Total Environment, 2020, 707, 135587.	3.9	30
100	SaliencyGAN: Deep Learning Semisupervised Salient Object Detection in the Fog of IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2667-2676.	7.2	83
101	Optimizing Operation Rules of Cascade Reservoirs for Adapting Climate Change. Water Resources Management, 2020, 34, 101-120.	1.9	23
102	The establishment of the Absichtsdelikte model of criminal law for controlling terrorist crimes: The case of China. International Journal of Law, Crime and Justice, 2020, 60, 100366.	0.4	1
103	Enhanced hydrogen absorption kinetics by introducing fine eutectic and long-period stacking ordered structure in ternary eutectic Mgâ€“Niâ€“Y alloy. Journal of Alloys and Compounds, 2020, 820, 153187.	2.8	25
104	Winter Irrigation Effects on Soil Moisture, Temperature and Salinity, and on Cotton Growth in Salinized Fields in Northern Xinjiang, China. Sustainability, 2020, 12, 7573.	1.6	10
105	Flood Frequency Analysis of Interconnected Rivers by Copulas. Water Resources Management, 2020, 34, 3533-3549.	1.9	14
106	Evaluating Solid Lung Adenocarcinoma Anaplastic Lymphoma Kinase Gene Rearrangement Using Noninvasive Radiomics Biomarkers . OncoTargets and Therapy, 2020, Volume 13, 6927-6935.	1.0	14
107	Exploring Uncertainty Measures in Bayesian Deep Attentive Neural Networks for Prostate Zonal Segmentation. IEEE Access, 2020, 8, 151817-151828.	2.6	60
108	FeAture Explorer (FAE): A tool for developing and comparing radiomics models. PLoS ONE, 2020, 15, e0237587.	1.1	126

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109	Direct Quantification of Coronary Artery Stenosis Through Hierarchical Attentive Multi-View Learning. IEEE Transactions on Medical Imaging, 2020, 39, 4322-4334.	5.4	30
110	Turbulence, pseudo-turbulence, and local flow topology in dispersed bubbly flow. Physics of Fluids, 2020, 32, .	1.6	17
111	Photoacoustic laser effects in live mouse blastocysts: pilot safety studies of DNA damage from photoacoustic imaging doses. F&S Science, 2020, 1, 53-58.	0.5	3
112	Integration and Evaluation of Forecast-Informed Multiobjective Reservoir Operations. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	17
113	Automating the ABCD Rule for Melanoma Detection: A Survey. IEEE Access, 2020, 8, 83333-83346.	2.6	27
114	Automating in vivo cardiac diffusion tensor postprocessing with deep learningâ€“based segmentation. Magnetic Resonance in Medicine, 2020, 84, 2801-2814.	1.9	15
115	Adsorption study of p-nitrophenol on a silver(I) triazolate MOF. Journal of Porous Materials, 2020, 27, 1409-1417.	1.3	17
116	Effect of Deformation Temperature on the Microstructure Characteristics of Îł Phase in Tiâ€40Alâ€8Nbâ€0.5B Alloys. Crystal Research and Technology, 2020, 55, 1900183.	0.6	1
117	Longâ€range reservoir inflow forecasts using largeâ€scale climate predictors. International Journal of Climatology, 2020, 40, 5429-5450.	1.5	9
118	Heuristic Input Variable Selection in Multi-Objective Reservoir Operation. Water Resources Management, 2020, 34, 617-636.	1.9	9
119	A two-step automated quality assessment for liver MR images based on convolutional neural network. European Journal of Radiology, 2020, 124, 108822.	1.2	6
120	A clinical-radiomics nomogram for the preoperative prediction of lymph node metastasis in colorectal cancer. Journal of Translational Medicine, 2020, 18, 46.	1.8	67
121	Droplet mobilization at the walls of a microfluidic channel. Physics of Fluids, 2020, 32, .	1.6	32
122	Deep learning for the determination of myometrial invasion depth and automatic lesion identification in endometrial cancer MR imaging: a preliminary study in a single institution. European Radiology, 2020, 30, 4985-4994.	2.3	46
123	Histogram analysis in predicting the grade and histological subtype of meningiomas based on diffusion kurtosis imaging. Acta Radiologica, 2020, 61, 1228-1239.	0.5	3
124	Fiber endface illumination diffuser for endo-cavity photoacoustic imaging. Optics Letters, 2020, 45, 632.	1.7	6
125	Differentiation of Treatment-Related Effects from Glioma Recurrence Using Machine Learning Classifiers Based Upon Pre-and Post-Contrast T1WI and T2 FLAIR Subtraction Features: A Two-Center Study . Cancer Management and Research, 2020, Volume 12, 3191-3201.	0.9	15
126	A machine learning approach to automatic detection of irregularity in skin lesion border using dermoscopic images. PeerJ Computer Science, 2020, 6, e268.	2.7	33

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127	Assessment of human colorectal cancer using co-registered photoacoustic and ultrasound tomography system. , 2020, , .		0
128	Dual-modality Photoacoustic and Ultrasound Imaging for Assessing Treatment Response in Colorectal Cancer: a pilot study. , 2020, , .		0
129	Towards quantitative photoacoustic tomography for partial view array transducers. , 2020, , .		0
130	Assessment of changes in oasis scale and water management in the arid Manas River Basin, north western China. Science of the Total Environment, 2019, 691, 506-515.	3.9	40
131	Optimized light delivery probe using ball lenses for co-registered photoacoustic and ultrasound endo-cavity subsurface imaging. Photoacoustics, 2019, 13, 66-75.	4.4	21
132	Atomically Precise Goldâ€“Levonorgestrel Nanocluster as a Radiosensitizer for Enhanced Cancer Therapy. ACS Nano, 2019, 13, 8320-8328.	7.3	126
133	Microstructural Refinement of a Tiâ€40Alâ€8Nbâ€0.5B Alloy by Hot Deformation Within (Îą+Îł²) Phase Field and Subsequent Tempering. Advanced Engineering Materials, 2019, 21, 1900239.	1.6	5
134	Impact of a Linear Array of Hydrophilic and Superhydrophobic Spheres on a Deep Water Pool. Colloids and Interfaces, 2019, 3, 29.	0.9	1
135	Responses of microstructure and texture of Îą phase to boron addition in Ti-40Al-8Nb-xB alloys modified by hot deformation above the Îł² transus. Materials Characterization, 2019, 153, 148-156.	1.9	3
136	Adapting reservoir operations to the nexus across water supply, power generation, and environment systems: An explanatory tool for policy makers. Journal of Hydrology, 2019, 574, 257-275.	2.3	21
137	Predicting teacher commitment as a multi-foci construct in a multi-cultural context: the effects of individual, school, and district level factors. Teachers and Teaching: Theory and Practice, 2019, 25, 301-319.	0.9	10
138	Deep Learning for Diagnosis of Chronic Myocardial Infarction on Nonenhanced Cardiac Cine MRI. Radiology, 2019, 291, 606-617.	3.6	144
139	On the Beaversâ€“Joseph Interface Condition for Non-parallel Coupled Channel Flow over a Porous Structure at High Reynolds Numbers. Transport in Porous Media, 2019, 128, 431-457.	1.2	23
140	Internal flow patterns of a droplet pinned to the hydrophobic surfaces of a confined microchannel using micro-PIV and VOF simulations. Chemical Engineering Journal, 2019, 370, 444-454.	6.6	27
141	Radiomic analysis of contrast-enhanced CT predicts microvascular invasion and outcome in hepatocellular carcinoma. Journal of Hepatology, 2019, 70, 1133-1144.	1.8	444
142	An Intelligent Clinical Decision Support System for Preoperative Prediction of Lymph Node Metastasis in Gastric Cancer. Journal of the American College of Radiology, 2019, 16, 952-960.	0.9	44
143	Tissue-type mapping of gliomas. NeuroImage: Clinical, 2019, 21, 101648.	1.4	46
144	Direct numerical simulation of convective heat transfer in porous media. International Journal of Heat and Mass Transfer, 2019, 133, 11-20.	2.5	58

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145	A meta-heuristic approach for multivariate design flood quantile estimation incorporating historical information. Hydrology Research, 2019, 50, 526-544.	1.1	10
146	Adducts of triangular silver(<scp>i</scp>) 3,5-bis(trifluoromethyl)pyrazolate with thiophene derivatives: a weak interaction model of desulfurization. Dalton Transactions, 2019, 48, 16162-16166.	1.6	11
147	Co-registered photoacoustic and ultrasound imaging of human colorectal cancer. Journal of Biomedical Optics, 2019, 24, 1.	1.4	13
148	Classification of human ovarian cancer using functional, spectral, and imaging features obtained from in vivo photoacoustic imaging. Biomedical Optics Express, 2019, 10, 2303.	1.5	26
149	Co-registered photoacoustic and ultrasound real-time imaging of colorectal cancer: ex-vivo studies. , 2019, , .		0
150	Optimizing light delivery through ball-shaped multimode fiber tips in co-registered photoacoustic and ultrasound endo-cavity imaging: simulation and experimental validation. , 2019, , .		0
151	Low-cost ultrasound and optical gelatin-based phantoms. , 2019, , .		3
152	Effect of pre-deformation in the Î² phase field on the microstructure and texture of the Î± phase in a boron-added Î²-solidifying TiAl alloy. Journal of Alloys and Compounds, 2018, 742, 304-311.	2.8	6
153	Computerâ€aided diagnosis of prostate cancer using a deep convolutional neural network from multiparametric MRI. Journal of Magnetic Resonance Imaging, 2018, 48, 1570-1577.	1.9	142
154	Quantitative susceptibility mapping (QSM) minimizes interference from cellular pathology in R2* estimation of liver iron concentration. Journal of Magnetic Resonance Imaging, 2018, 48, 1069-1079.	1.9	50
155	Theoretical investigation of anisotropic mechanical and thermal properties of ABO₃ (A=Sr, Ba; B=Ti, Zr, Hf) perovskites. Journal of the American Ceramic Society, 2018, 101, 3527-3540.	1.9	57
156	Oxidation behavior of Hf-modified platinum aluminide coatings during thermal cycling. Progress in Natural Science: Materials International, 2018, 28, 34-39.	1.8	8
157	Diffusion behaviour of Pt in platinum aluminide coatings during thermal cycles. International Journal of Materials Research, 2018, 109, 3-9.	0.1	5
158	DAGAN: Deep De-Aliasing Generative Adversarial Networks for Fast Compressed Sensing MRI Reconstruction. IEEE Transactions on Medical Imaging, 2018, 37, 1310-1321.	5.4	724
159	Numerical Simulation of Turbulent Flow and Heat Transfer in a Three-Dimensional Channel Coupled with Flow Through Porous Structures. Transport in Porous Media, 2018, 122, 145-167.	1.2	22
160	Uncertainty Analysis of Bivariate Design Flood Estimation and its Impacts on Reservoir Routing. Water Resources Management, 2018, 32, 1795-1809.	1.9	37
161	Computational investigation on nitrogen displacement process in a thermal environment simulation chamber. Science and Technology for the Built Environment, 2018, 24, 343-355.	0.8	1
162	Molecular dynamics simulations of lattice site preference and phase separation in B2-NiAl with Pt addition. Journal of Alloys and Compounds, 2018, 740, 863-869.	2.8	3

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163	Supervised learning based multimodal MRI brain tumour segmentation using texture features from supervoxels. Computer Methods and Programs in Biomedicine, 2018, 157, 69-84.	2.6	163
164	Effect of Pt content on initial TGO formation and available Al reserve of Pt-Al coatings during thermal cycling. Surface and Coatings Technology, 2018, 337, 82-89.	2.2	15
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