

Dan Yang

List of Publications by Year in descending order

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115
papers

4,494
citations

109321

35
h-index

106344

65
g-index

117
all docs

117
docs citations

117
times ranked

5826
citing authors

#	ARTICLE	IF	CITATIONS
1	Teacherâ€™Student Uncertainty Autoencoder for the Process-Relevant and Quality-Relevant Fault Detection in the Industrial Process. <i>IEEE Transactions on Artificial Intelligence</i> , 2023, 4, 698-708.	4.7	2
2	Design of an asymmetric gold-coated photonic crystal fiber (PCF) polarization filter based on surface plasmon resonance (SPR). <i>Instrumentation Science and Technology</i> , 2022, 50, 306-320.	1.8	5
3	Application of Particle Swarm Optimization with Simulated Annealing in MIT Regularization Image Reconstruction. <i>Symmetry</i> , 2022, 14, 275.	2.2	0
4	Constructing virus-like SiO ₂ /CeO ₂ /VO ₂ nanozymes for 1064 nm light-triggered mild-temperature photothermal therapy and nanozyme catalytic therapy. <i>Nanoscale</i> , 2022, 14, 361-372.	5.6	19
5	A DSP-Based EIT System With Adaptive Boundary Voltage Acquisition. <i>IEEE Sensors Journal</i> , 2022, 22, 5743-5754.	4.7	4
6	Spatialâ€™temporal characteristics and scenario simulation of carbon emissions from energy consumption based on multiscale in the affected areas of the lower Yellow River. <i>International Journal of Low-Carbon Technologies</i> , 2022, 17, 818-830.	2.6	4
7	Artificial neural network (ANN) for dispersion compensation of spectral domain â€™ optical coherence tomography (SD-OCT). <i>Instrumentation Science and Technology</i> , 2022, 50, 560-576.	1.8	4
8	Heterogeneous hardening of enamel surface by occlusal loading: Effect of nanofiber orientation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 130, 105221.	3.1	0
9	<i>In situ</i> construction of superhydrophilic crystalline Ni ₃ S ₂ @amorphous VO ₂ heterostructure nanorod arrays for the hydrogen evolution reaction with industry-compatible current density. <i>Dalton Transactions</i> , 2022, 51, 7234-7240.	3.3	5
10	Surface plasmon resonance (SPR)-based D-shaped photonic crystal fiber polarization filter and refractive index sensor with a hexagonal pore structure. <i>Instrumentation Science and Technology</i> , 2022, 50, 668-683.	1.8	5
11	Engineering oxygen vacancy of MoOx nanoenzyme by Mn doping for dual-route cascaded catalysis mediated high tumor eradication. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 155-167.	9.4	19
12	Construction of thiol-capped ultrasmall Auâ€™Bi bimetallic nanoparticles for X-ray CT imaging and enhanced antitumor therapy efficiency. <i>Biomaterials</i> , 2021, 264, 120453.	11.4	38
13	CuFeSe ₂ -based thermo-responsive multifunctional nanomaterial initiated by a single NIR light for hypoxic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 336-348.	5.8	21
14	Active Gate Drive With Gateâ€™Drain Discharge Compensation for Voltage Balancing in Series-Connected SiC MOSFETs. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 5858-5873.	7.9	16
15	Trichostatin A ameliorates Alzheimerâ€™s disease-related pathology and cognitive deficits by increasing albumin expression and A β clearance in APP/PS1 mice. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 7.	6.2	27
16	MPS-Net: Multi-Point Supervised Network for CT Image Segmentation of COVID-19. <i>IEEE Access</i> , 2021, 9, 47144-47153.	4.2	18
17	Effect of resveratrol on the repair of kidney and brain injuries and its regulation on klotho gene in d-galactose-induced aging mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127913.	2.2	14
18	Application of a Generative Adversarial Network in Image Reconstruction of Magnetic Induction Tomography. <i>Sensors</i> , 2021, 21, 3869.	3.8	5

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19	Rational Design of Vanadium-Modulated Ni ₃ Se ₂ Nanorod@Nanosheet Arrays as a Bifunctional Electrocatalyst for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2021, 9, 12005-12016.	6.7	38
20	A Deep Neural Network Method for Arterial Blood Flow Profile Reconstruction. Entropy, 2021, 23, 1114.	2.2	3
21	2D Piezoelectric Bi ₂ MoO ₆ Nanoribbons for GSH-Enhanced Sonodynamic Therapy. Advanced Materials, 2021, 33, e2106838.	21.0	180
22	A pH-Activable Chemo-Photodynamic Therapy Based on Cube-Wrapped-Cube $\text{NaYbF}_4\text{:Tm@CaF}_2\text{/Nd@ZnO}$ Nanoparticles Mediated by 808 nm Light. Chemistry of Materials, 2020, 32, 7492-7506.	6.7	27
23	Surface Hardening Behavior of Enamel by Masticatory Loading: Occurrence Mechanism and Antiwear Effect. ACS Biomaterials Science and Engineering, 2020, 6, 4454-4461.	5.2	7
24	Intelligent Fe-Mn Layered Double Hydroxides Nanosheets Anchored with Upconversion Nanoparticles for Oxygen-Elevated Synergetic Therapy and Bioimaging. Small, 2020, 16, e2001343.	10.0	85
25	Hardware Design for Detecting Blood Flow Based on Electromagnetic Induction. , 2020, , .		0
26	Application of Linear Gradient Magnetic Field in Arterial Profile Scanning Imaging. Sensors, 2020, 20, 4547.	3.8	2
27	GSH-Depleted Nanozymes with Hyperthermia-Enhanced Dual Enzyme-Mimic Activities for Tumor Nanocatalytic Therapy. Advanced Materials, 2020, 32, e2002439.	21.0	354
28	A Multi-Scale Feature Fusion Method Based on U-Net for Retinal Vessel Segmentation. Entropy, 2020, 22, 811.	2.2	30
29	Modeling and Simulation of Artery Occlusion for Early Detection of Carotid Atherosclerosis. , 2020, , .		0
30	<i>In Situ</i> Synthesis of FeOCl in Hollow Dendritic Mesoporous Organosilicon for Ascorbic Acid-Enhanced and MR Imaging-Guided Chemodynamic Therapy in Neutral pH Conditions. ACS Applied Materials & Interfaces, 2020, 12, 56886-56897.	8.0	22
31	An 808 nm Light-Sensitized Upconversion Nanoplatform for Multimodal Imaging and Efficient Cancer Therapy. Inorganic Chemistry, 2020, 59, 4909-4923.	4.0	32
32	Numerical model and finite element simulation of arterial blood flow profile reconstruction in a uniform magnetic field. Journal Physics D: Applied Physics, 2020, 53, 195402.	2.8	2
33	Rapid Decomposition and Catalytic Cascade Nanoplatforms Based on Enzymes and Mn-Etched Dendritic Mesoporous Silicon for MRI-Guided Synergistic Therapy. ACS Applied Materials & Interfaces, 2020, 12, 45772-45788.	8.0	33
34	Image Reconstruction with the Fourier Coefficients for Magnetic Induction Tomography. Current Medical Imaging, 2020, 16, 156-163.	0.8	0
35	Surface States Induced Photoluminescence Enhancement of Nitrogen-Doped Carbon Dots Via Post-Treatments. Nanoscale Research Letters, 2019, 14, 172.	5.7	40
36	A Blood Flow Volume Linear Inversion Model Based on Electromagnetic Sensor for Predicting the Rate of Arterial Stenosis. Sensors, 2019, 19, 3006.	3.8	3

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37	Mesoporous cerium oxide-coated upconversion nanoparticles for tumor-responsive chemo-photodynamic therapy and bioimaging. <i>Chemical Science</i> , 2019, 10, 8618-8633.	7.4	92
38	Effect of calcium ions on the adsorption and lubrication behavior of salivary proteins on human tooth enamel surface. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 98, 172-178.	3.1	7
39	Simulation Study for Forward Problem in Magnetic Induction Tomography By COMSOL , 2019, , .		1
40	Degradable Calcium Phosphate-Coated Upconversion Nanoparticles for Highly Efficient Chemo-Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47659-47670.	8.0	32
41	AgBiS ₂ -TPP nanocomposite for mitochondrial targeting photodynamic therapy, photothermal therapy and bio-imaging under 808 nm NIR laser irradiation. <i>Biomaterials Science</i> , 2019, 7, 4769-4781.	5.4	21
42	O ₂ -Generating Metal-Organic Framework-Based Hydrophobic Photosensitizer Delivery System for Enhanced Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36347-36358.	8.0	90
43	Separation of the cathode materials from the Al foil in spent lithium-ion batteries by cryogenic grinding. <i>Waste Management</i> , 2019, 91, 89-98.	7.4	58
44	A fluorescent probe for Cd ²⁺ detection based on the aggregation-induced emission enhancement of aqueous Zn ²⁺ Ag ⁺ In ³⁺ S quantum dots. <i>Analytical Methods</i> , 2019, 11, 2559-2564.	2.7	23
45	Upconversion-mediated ZnFe ₂ O ₄ nanoplatfor for NIR-enhanced chemodynamic and photodynamic therapy. <i>Chemical Science</i> , 2019, 10, 4259-4271.	7.4	155
46	High-Sensitive Fiber Anemometer Based on Surface Plasmon Resonance Effect in Photonic Crystal Fiber. <i>IEEE Sensors Journal</i> , 2019, 19, 3391-3398.	4.7	19
47	Research of the role of microstructure in the wear mechanism of canine and bovine enamel. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 92, 33-39.	3.1	14
48	Phase Measurement Circuit Study of Eddy Current Signal in MIT. , 2019, , .		0
49	A Sensor Fusion Approach to Indoor Human Localization Based on Environmental and Wearable Sensors. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 339-350.	5.2	32
50	Retinal Blood Vessel Segmentation with Improved Convolutional Neural Networks. <i>Journal of Medical Imaging and Health Informatics</i> , 2019, 9, 1112-1118.	0.3	16
51	Glutathione Mediated Size-Tunable UCNP _s @Pt(IV) ₂ ZnFe ₂ O ₄ Nanocomposite for Multiple Bioimaging Guided Synergetic Therapy. <i>Small</i> , 2018, 14, e1703809.	10.0	99
52	Bioresponsive and near infrared photon co-enhanced cancer theranostic based on upconversion nanocapsules. <i>Chemical Science</i> , 2018, 9, 3233-3247.	7.4	75
53	Bismuth Nanoparticles with Light-Property Served as a Multifunctional Probe for X-ray Computed Tomography and Fluorescence Imaging. <i>Chemistry of Materials</i> , 2018, 30, 3301-3307.	6.7	68
54	Synthesis and luminescence properties of NaGd ₄ : Yb ³⁺ , Ce ³⁺ , and Ho ³⁺ upconversion nanoparticles doped with Zn ²⁺ . <i>CrystEngComm</i> , 2018, 20, 2663-2668.	2.6	11

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55	Carbon-Dot Decorated TiO ₂ Nanotubes toward Photodynamic Therapy Based on Water-Splitting Mechanism. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800042.	7.6	49
56	Magnetic Targeting, Tumor Microenvironment-Responsive Intelligent Nanocatalysts for Enhanced Tumor Ablation. <i>ACS Nano</i> , 2018, 12, 11000-11012.	14.6	359
57	Honeycomb-Satellite Structured pH/H ₂ O ₂ -Responsive Degradable Nanoplatforam for Efficient Photodynamic Therapy and Multimodal Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33901-33912.	8.0	86
58	A novel strategy for markedly enhancing the red upconversion emission in Er ³⁺ /Tm ³⁺ cooperated nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7533-7540.	5.5	33
59	Sequencing and Analysis of <i>Strobilanthes cusia</i> (Nees) Kuntze Chloroplast Genome Revealed the Rare Simultaneous Contraction and Expansion of the Inverted Repeat Region in Angiosperm. <i>Frontiers in Plant Science</i> , 2018, 9, 324.	3.6	45
60	Passive Infrared (PIR)-Based Indoor Position Tracking for Smart Homes Using Accessibility Maps and A-Star Algorithm. <i>Sensors</i> , 2018, 18, 332.	3.8	58
61	Tumor Microenvironment-Responsive Mesoporous MnO ₂ -Coated Upconversion Nanoplatforam for Self-Enhanced Tumor Theranostics. <i>Advanced Functional Materials</i> , 2018, 28, 1803804.	14.9	261
62	Uniformly Dispersed ZnFe ₂ O ₄ Nanoparticles on Nitrogen-Modified Graphene for High-Performance Supercapacitor as Electrode. <i>Scientific Reports</i> , 2017, 7, 43116.	3.3	98
63	Multifunctional Theranostics for Dual-Modal Photodynamic Synergistic Therapy via Stepwise Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6829-6838.	8.0	72
64	NIR-driven water splitting by layered bismuth oxyhalide sheets for effective photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4152-4161.	5.8	42
65	A Core-Shell-Satellite Structured Fe ₃ O ₄ @g-C ₃ N ₄ -UCNPs-PEG for <i>T₁</i> / <i>T₂</i> -Weighted Dual-Modal MRI-Guided Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700502.	7.6	53
66	Charge convertibility and near infrared photon co-enhanced cisplatin chemotherapy based on upconversion nanoplatforam. <i>Biomaterials</i> , 2017, 130, 42-55.	11.4	77
67	Assembly of Au Plasmonic Photothermal Agent and Iron Oxide Nanoparticles on Ultrathin Black Phosphorus for Targeted Photothermal and Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1700371.	14.9	254
68	Ni(OH) ₂ nanosheets grown on porous hybrid g-C ₃ N ₄ /RGO network as high performance supercapacitor electrode. <i>Scientific Reports</i> , 2017, 7, 43413.	3.3	53
69	Highly Emissive Dye-Sensitized Upconversion Nanostructure for Dual-Photosensitizer Photodynamic Therapy and Bioimaging. <i>ACS Nano</i> , 2017, 11, 4133-4144.	14.6	342
70	Markedly enhanced up-conversion luminescence by combining IR-808 dye sensitization and core-shell structures. <i>Dalton Transactions</i> , 2017, 46, 1495-1501.	3.3	24
71	Au Nanoclusters Sensitized Black TiO ₂ Nanotubes for Enhanced Photodynamic Therapy Driven by Near-Infrared Light. <i>Small</i> , 2017, 13, 1703007.	10.0	62
72	Integration of IR-808 Sensitized Upconversion Nanostructure and MoS ₂ Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. <i>Small</i> , 2017, 13, 1701841.	10.0	117

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73	Direct torque control of three-level inverter-Fed PMSM based on zero voltage vector distribution for torque ripple reduction. , 2017, , .		0
74	Multimodal imaging and photothermal therapy were simultaneously achieved in the core-shell UCNR structure by using single near-infrared light. Dalton Transactions, 2017, 46, 12147-12157.	3.3	22
75	Bioapplications of graphene constructed functional nanomaterials. Chemico-Biological Interactions, 2017, 262, 69-89.	4.0	45
76	Polarization filter characteristics of photonic crystal fiber based on surface plasmon resonance. , 2017, , .		3
77	Cardiopulmonary Signal Detection Based on Magnetic Induction. Journal of Sensors, 2017, 2017, 1-9.	1.1	3
78	Research on the application of 3D spectrogram in bird tweet and speech signals. , 2017, , .		2
79	Motivation Classification and Grade Prediction for MOOCs Learners. Computational Intelligence and Neuroscience, 2016, 2016, 1-7.	1.7	35
80	Topic Modeling Based Image Clustering by Events in Social Media. Scientific Programming, 2016, 2016, 1-7.	0.7	2
81	Imaging-Guided and Light-Triggered Chemo-/Photodynamic/Photothermal Therapy Based on Gd (III) Chelated Mesoporous Silica Hybrid Spheres. ACS Biomaterials Science and Engineering, 2016, 2, 2058-2071.	5.2	46
82	Human localization and tracking using distributed motion sensors and an inertial measurement unit. , 2015, , .		11
83	Study Partners Recommendation for xMOOCs Learners. Computational Intelligence and Neuroscience, 2015, 2015, 1-10.	1.7	12
84	$Y_{2}O_{3} : Yb, Er @ mSiO_{2} @ Cu_{x}S$ double-shelled hollow spheres for enhanced chemo-/photothermal anti-cancer therapy and dual-modal imaging. Nanoscale, 2015, 7, 12180-12191.	5.6	55
85	Au_{25} cluster functionalized metal-organic nanostructures for magnetically targeted photodynamic/photothermal therapy triggered by single wavelength 808 nm near-infrared light. Nanoscale, 2015, 7, 19568-19578.	5.6	99
86	Collision probability computation based on vehicle to vehicle communication. , 2015, , .		6
87	Indoor human localization using PIR sensors and accessibility map. , 2015, , .		23
88	A facile approach for the synthesis of highly luminescent carbon dots using vitamin-based small organic molecules with benzene ring structure as precursors. RSC Advances, 2015, 5, 90245-90254.	3.6	60
89	PIR Sensors Deployment with the Accessible Priority in Smart Home Using Genetic Algorithm. International Journal of Distributed Sensor Networks, 2015, 11, 146270.	2.2	1
90	A new strategy of reactive power compensation device of indirect current control. , 2014, , .		1

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91	Dramatically improved dielectric properties of polymer composites by controlling the alignment of carbon nanotubes in matrix. RSC Advances, 2014, 4, 4543-4551.	3.6	63
92	Healthcare monitoring system using ballistocardiogram based on LabVIEW. , 2014, , .		0
93	Query Intent Disambiguation of Keyword-Based Semantic Entity Search in Dataspaces. Journal of Computer Science and Technology, 2013, 28, 382-393.	1.5	12
94	A FEM method for magnetic induction tomography forward problem. , 2013, , .		1
95	A double frequency magnetic induction tomography system: Analysis and simulations. , 2013, , .		1
96	Ballistocardiogram Insusceptibility Detection and Analysis System on FPGA. Procedia Engineering, 2012, 29, 1607-1611.	1.2	1
97	A image reconstruction algorithm based on variation regularization for magnetic induction tomography. , 2011, , .		3
98	The influence of conductivity perturbations on MIT sensitivity field. , 2011, , .		0
99	Layered graph Data Model for dataspaces management. , 2011, , .		0
100	Comparison of Measurement Method for Eddy Current Signal of Biological Tissue in Magnetic Induction Tomography. , 2011, , .		0
101	Research on cascaded multilevel inverter with regenerative operation. , 2010, , .		1
102	The application of chaotic duffing oscillators to ballistocardiograph signal detection. , 2010, , .		2
103	Speech visualization based on improved spectrum for deaf children. , 2010, , .		1
104	Periodicity detection of ballistocardiogram based on chaotic oscillators. , 2010, , .		0
105	Neural network based fault diagnosis and reconfiguration method for multilevel inverter. , 2008, , .		4
106	The study of computer-aided speech training method for deaf children based on Learning Vector Quantization. , 2008, , .		0
107	Speech visualization based on Auditory Model for hearing impaired. , 2008, , .		1
108	Speech Plot Display for the Deaf-mute based on Combined Characters Encoding of Speech Signal. , 2007, , .		1

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109	Notice of Retraction: Study on Methods of Analysis and Classification for Pulse-Condition. , 2007, , .		0
110	An Improved Target Extraction Algorithm Based on Region Growing for Lung CT Image. , 2007, , .		1
111	Speech visualization based on wavelet transform for the hearing impaired. , 2007, , .		1
112	Unvoiced Chinese Digital Recognition Based On Facial Myoelectric Signal. , 2006, , .		2
113	A New Hybrid Image Reconstruction Algorithm for Magnetic Induction Tomography. Advanced Materials Research, 0, 532-533, 1706-1710.	0.3	2
114	Ligandâ€Controlled, Tunable Copperâ€Catalyzed Radical Divergent Trifluoromethylation of Unactivated Cycloalkenes. Advanced Synthesis and Catalysis, 0, , .	4.3	4
115	Restoration of enamel anti-wear properties via remineralization: Role of occlusal loading. Friction, 0, , 1.	6.4	0