Dan Yang

List of Publications by Year
in descending order

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	Magnetic Targeting, Tumor Microenvironment-Responsive Intelligent Nanocatalysts for Enhanced Tumor Ablation. ACS Nano, 2018, 12, 11000-11012.	14.6	359
2	GSH–Depleted Nanozymes with Hyperthermia–Enhanced Dual Enzyme–Mimic Activities for Tumor Nanocatalytic Therapy. Advanced Materials, 2020, 32, e2002439.	21.0	354
3	Highly Emissive Dye-Sensitized Upconversion Nanostructure for Dual-Photosensitizer Photodynamic Therapy and Bioimaging. ACS Nano, 2017, 11, 4133-4144.	14.6	342
4	Tumor Microenvironment–Responsive Mesoporous MnO_2–Coated Upconversion Nanoplatform for Self–Enhanced Tumor Theranostics. Advanced Functional Materials, 2018, 28, 1803804.	14.9	261
5	Assembly of Au Plasmonic Photothermal Agent and Iron Oxide Nanoparticles on Ultrathin Black Phosphorus for Targeted Photothermal and Photodynamic Cancer Therapy. Advanced Functional Materials, 2017, 27, 1700371.	14.9	254
6	2D Piezoelectric Bi_2MoO_6 Nanoribbons for GSH–Enhanced Sonodynamic Therapy. Advanced Materials, 2021, 33, e2106838.	21.0	180
7	Upconversion-mediated $ZnFe_2O_4$ nanoplatform for NIR-enhanced chemodynamic and photodynamic therapy. Chemical Science, 2019, 10, 4259-4271.	7.4	155
8	Integration of IR–808 Sensitized Upconversion Nanostructure and MoS_2 Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. Small, 2017, 13, 1701841.	10.0	117
9	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
10	Glutathione Mediated Size–Tunable UCNPs–Pt(IV)–$ZnFe_2O_4$ Nanocomposite for Multiple Bioimaging Guided Synergetic Therapy. Small, 2018, 14, e1703809.	10.0	99
11	Uniformly Dispersed ZnFe2O4 Nanoparticles on Nitrogen-Modified Graphene for High-Performance Supercapacitor as Electrode. Scientific Reports, 2017, 7, 43116.	3.3	98
12	Mesoporous cerium oxide-coated upconversion nanoparticles for tumor-responsive chemo-photodynamic therapy and bioimaging. Chemical Science, 2019, 10, 8618-8633.	7.4	92
13	O_2-Generating Metal–Organic Framework-Based Hydrophobic Photosensitizer Delivery System for Enhanced Photodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 36347-36358.	8.0	90
14	Honeycomb-Satellite Structured pH/H_2O_2-Responsive Degradable Nanoplatform for Efficient Photodynamic Therapy and Multimodal Imaging. ACS Applied Materials & Interfaces, 2018, 10, 33901-33912.	8.0	86
15	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
16	Charge convertibility and near infrared photon co-enhanced cisplatin chemotherapy based on upconversion nanoplatform. Biomaterials, 2017, 130, 42-55.	11.4	77
17	Bioresponsive and near infrared photon co-enhanced cancer theranostic based on upconversion nanocapsules. Chemical Science, 2018, 9, 3233-3247.	7.4	75
18	Multifunctional Theranostics for Dual-Modal Photodynamic Synergistic Therapy via Stepwise Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 6829-6838.	8.0	72

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19	Bismuth Nanoparticles with "Light" Property Served as a Multifunctional Probe for X-ray Computed Tomography and Fluorescence Imaging. Chemistry of Materials, 2018, 30, 3301-3307.	6.7	68
20	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
21	Au Nanoclusters Sensitized Black TiO_{2-x} Nanotubes for Enhanced Photodynamic Therapy Driven by Near-Infrared Light. Small, 2017, 13, 1703007.	10.0	62
22	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
23	Passive Infrared (PIR)-Based Indoor Position Tracking for Smart Homes Using Accessibility Maps and A-Star Algorithm. Sensors, 2018, 18, 332.	3.8	58
24	Separation of the cathode materials from the Al foil in spent lithium-ion batteries by cryogenic grinding. Waste Management, 2019, 91, 89-98.	7.4	58
25	Y_2O_3:Yb,Er@$mSiO_2$–Cu_xS double-shelled hollow spheres for enhanced chemo-/photothermal anti-cancer therapy and dual-modal imaging. Nanoscale, 2015, 7, 12180-12191.	5.6	55
26	A Core–Shell–Satellite Structured Fe_3O_4@g-C_3N_4–UCNPs–PEG for T_1/T_2-Weighted Dual-Modal MRI-Guided Photodynamic Therapy. Advanced Healthcare Materials, 2017, 6, 1700502.	7.6	53
27	Ni(OH)2 nanosheets grown on porous hybrid g-C3N4/RGO network as high performance supercapacitor electrode. Scientific Reports, 2017, 7, 43413.	3.3	53
28	Carbon-Dot-Decorated TiO_2 Nanotubes toward Photodynamic Therapy Based on Water-Splitting Mechanism. Advanced Healthcare Materials, 2018, 7, e1800042.	7.6	49
29	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
30	Bioapplications of graphene constructed functional nanomaterials. Chemico-Biological Interactions, 2017, 262, 69-89.	4.0	45
31	Sequencing and Analysis of Strobilanthes cusia (Nees) Kuntze Chloroplast Genome Revealed the Rare Simultaneous Contraction and Expansion of the Inverted Repeat Region in Angiosperm. Frontiers in Plant Science, 2018, 9, 324.	3.6	45
32	NIR-driven water splitting by layered bismuth oxyhalide sheets for effective photodynamic therapy. Journal of Materials Chemistry B, 2017, 5, 4152-4161.	5.8	42
33	Surface States Induced Photoluminescence Enhancement of Nitrogen-Doped Carbon Dots Via Post-Treatments. Nanoscale Research Letters, 2019, 14, 172.	5.7	40
34	Construction of thiol-capped ultrasmall Au–Bi bimetallic nanoparticles for X-ray CT imaging and enhanced antitumor therapy efficiency. Biomaterials, 2021, 264, 120453.	11.4	38
35	Rational Design of Vanadium-Modulated Ni_3Se_2 Nanorod@Nanosheet Arrays as a Bifunctional Electrocatalyst for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2021, 9, 12005-12016.	6.7	38
36	Motivation Classification and Grade Prediction for MOOCs Learners. Computational Intelligence and Neuroscience, 2016, 2016, 1-7.	1.7	35

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37	A novel strategy for markedly enhancing the red upconversion emission in Er^{3+}/Tm^{3+} cooperated nanoparticles. Journal of Materials Chemistry C, 2018, 6, 7533-7540.	5.5	33
38	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
39	Degradable Calcium Phosphate-Coated Upconversion Nanoparticles for Highly Efficient Chemo-Photodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 47659-47670.	8.0	32
40	A Sensor Fusion Approach to Indoor Human Localization Based on Environmental and Wearable Sensors. IEEE Transactions on Automation Science and Engineering, 2019, 16, 339-350.	5.2	32
41	An 808 nm Light-Sensitized Upconversion Nanoplatform for Multimodal Imaging and Efficient Cancer Therapy. Inorganic Chemistry, 2020, 59, 4909-4923.	4.0	32
42	A Multi-Scale Feature Fusion Method Based on U-Net for Retinal Vessel Segmentation. Entropy, 2020, 22, 811.	2.2	30
43	A pH-Activable Chemoâ€"Photodynamic Therapy Based on Cube-Wrapped-Cube Î±-$NaYbF_4$:Tm@CaF_2/Nd@ZnO Nanoparticles Mediated by 808 nm Light. Chemistry of Materials, 2020, 32, 7492-7506.	6.7	27
44	Trichostatin A ameliorates Alzheimerâ€™s disease-related pathology and cognitive deficits by increasing albumin expression and AÎ² clearance in APP/PS1 mice. Alzheimer's Research and Therapy, 2021, 13, 7.	6.2	27
45	Markedly enhanced up-conversion luminescence by combining IR-808 dye sensitization and coreâ€"shellâ€"shell structures. Dalton Transactions, 2017, 46, 1495-1501.	3.3	24
46	Indoor human localization using PIR sensors and accessibility map. , 2015, , .		23
47	A fluorescent probe for Cd^{2+} detection based on the aggregation-induced emission enhancement of aqueous Znâ€"Agâ€"Inâ€"S quantum dots. Analytical Methods, 2019, 11, 2559-2564.	2.7	23
48	Multimodal imaging and photothermal therapy were simultaneously achieved in the coreâ€"shell UCNR structure by using single near-infrared light. Dalton Transactions, 2017, 46, 12147-12157.	3.3	22
49	In Situ 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
50	$AgBiS_2$-TPP nanocomposite for mitochondrial targeting photodynamic therapy, photothermal therapy and bio-imaging under 808 nm NIR laser irradiation. Biomaterials Science, 2019, 7, 4769-4781.	5.4	21
51	$CuFeSe_2$-based thermo-responsive multifunctional nanomaterial initiated by a single NIR light for hypoxic cancer therapy. Journal of Materials Chemistry B, 2021, 9, 336-348.	5.8	21
52	High-Sensitive Fiber Anemometer Based on Surface Plasmon Resonance Effect in Photonic Crystal Fiber. IEEE Sensors Journal, 2019, 19, 3391-3398.	4.7	19
53	Constructing virus-like SiO_x/CeO_2/VO_x nanozymes for 1064 nm light-triggered mild-temperature photothermal therapy and nanozyme catalytic therapy. Nanoscale, 2022, 14, 361-372.	5.6	19
54	Engineering oxygen vacancy of MoOx nanoenzyme by Mn doping for dual-route cascaded catalysis mediated high tumor eradication. Journal of Colloid and Interface Science, 2022, 623, 155-167.	9.4	19

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55	MPS-Net: Multi-Point Supervised Network for CT Image Segmentation of COVID-19. IEEE Access, 2021, 9, 47144-47153.	4.2	18
56	Active Gate Drive With Gate–Drain Discharge Compensation for Voltage Balancing in Series-Connected SiC MOSFETs. IEEE Transactions on Power Electronics, 2021, 36, 5858-5873.	7.9	16
57	Retinal Blood Vessel Segmentation with Improved Convolutional Neural Networks. Journal of Medical Imaging and Health Informatics, 2019, 9, 1112-1118.	0.3	16
58	Research of the role of microstructure in the wear mechanism of canine and bovine enamel. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 92, 33-39.	3.1	14
59	Effect of resveratrol on the repair of kidney and brain injuries and its regulation on klotho gene in d-galactose-induced aging mice. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127913.	2.2	14
60	Query Intent Disambiguation of Keyword-Based Semantic Entity Search in Dataspaces. Journal of Computer Science and Technology, 2013, 28, 382-393.	1.5	12
61	Study Partners Recommendation for xMOOCs Learners. Computational Intelligence and Neuroscience, 2015, 2015, 1-10.	1.7	12
62	Human localization and tracking using distributed motion sensors and an inertial measurement unit. , 2015, , .		11
63	Synthesis and luminescence properties of $NaGdF_4$: Yb^{3+}, Ce^{3+}, and Ho^{3+} upconversion nanoparticles doped with Zn^{2+}. CrystEngComm, 2018, 20, 2663-2668.	2.6	11
64	Effect of calcium ions on the adsorption and lubrication behavior of salivary proteins on human tooth enamel surface. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 172-178.	3.1	7
65	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
66	Collision probability computation based on vehicle to vehicle communication. , 2015, , .		6
67	Application of a Generative Adversarial Network in Image Reconstruction of Magnetic Induction Tomography. Sensors, 2021, 21, 3869.	3.8	5
68	Design of an asymmetric gold-coated photonic crystal fiber (PCF) polarization filter based on surface plasmon resonance (SPR). Instrumentation Science and Technology, 2022, 50, 306-320.	1.8	5
69	*In situ* construction of superhydrophilic crystalline Ni_3S_2@amorphous VO_x heterostructure nanorod arrays for the hydrogen evolution reaction with industry-compatible current density. Dalton Transactions, 2022, 51, 7234-7240.	3.3	5
70	Surface plasmon resonance (SPR)-based D-shaped photonic crystal fiber polarization filter and refractive index sensor with a hexagonal pore structure. Instrumentation Science and Technology, 2022, 50, 668-683.	1.8	5
71	Neural network based fault diagnosis and reconfiguration method for multilevel inverter. , 2008, , .		4
72	Ligand–Controlled, Tunable Copper–Catalyzed Radical Divergent Trifluoromethylation of Unactivated Cycloalkenes. Advanced Synthesis and Catalysis, 0, , .	4.3	4

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73	A DSP-Based EIT System With Adaptive Boundary Voltage Acquisition. IEEE Sensors Journal, 2022, 22, 5743-5754.	4.7	4
74	Spatial–temporal characteristics and scenario simulation of carbon emissions from energy consumption based on multiscale in the affected areas of the lower Yellow River. International Journal of Low-Carbon Technologies, 2022, 17, 818-830.	2.6	4
75	Artificial neural network (ANN) for dispersion compensation of spectral domain – optical coherence tomography (SD-OCT). Instrumentation Science and Technology, 2022, 50, 560-576.	1.8	4
76	A image reconstruction algorithm based on variation regularization for magnetic induction tomography. , 2011, , .		3
77	Polarization filter characteristics of photonic crystal fiber based on surface plasmon resonance. , 2017, , .		3
78	Cardiopulmonary Signal Detection Based on Magnetic Induction. Journal of Sensors, 2017, 2017, 1-9.	1.1	3
79	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
80	A Deep Neural Network Method for Arterial Blood Flow Profile Reconstruction. Entropy, 2021, 23, 1114.	2.2	3
81	Unvoiced Chinese Digital Recognition Based On Facial Myoelectric Signal. , 2006, , .		2
82	The application of chaotic duffing oscillators to ballistocardiograph signal detection. , 2010, , .		2
83	A New Hybrid Image Reconstruction Algorithm for Magnetic Induction Tomography. Advanced Materials Research, 0, 532-533, 1706-1710.	0.3	2
84	Topic Modeling Based Image Clustering by Events in Social Media. Scientific Programming, 2016, 2016, 1-7.	0.7	2
85	Research on the application of 3D spectrogram in bird tweet and speech signals. , 2017, , .		2
86	Application of Linear Gradient Magnetic Field in Arterial Profile Scanning Imaging. Sensors, 2020, 20, 4547.	3.8	2
87	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
88	Teacher–Student Uncertainty Autoencoder for the Process-Relevant and Quality-Relevant Fault Detection in the Industrial Process. IEEE Transactions on Artificial Intelligence, 2023, 4, 698-708.	4.7	2
89	Speech Plot Display for the Deaf-mute based on Combined Characters Encoding of Speech Signal. , 2007, , .		1
90	An Improved Target Extraction Algorithm Based on Region Growing for Lung CT Image. , 2007, , .		1

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91	Speech visualization based on wavelet transform for the hearing impaired. , 2007, , .		1
92	Speech visualization based on Auditory Model for hearing impaired. , 2008, , .		1
93	Research on cascaded multilevel inverter with regenerative operation. , 2010, , .		1
94	Speech visualization based on improved spectrum for deaf children. , 2010, , .		1
95	Ballistocardiogram Insusceptibility Detection and Analysis System on FPGA. Procedia Engineering, 2012, 29, 1607-1611.	1.2	1
96	A FEM method for magnetic induction tomography forward problem. , 2013, , .		1
97	A double frequency magnetic induction tomography system: Analysis and simulations. , 2013, , .		1
98	A new strategy of reactive power compensation device of indirect current control. , 2014, , .		1
99	Simulation Study for Forward Problem in Magnetic Induction Tomography By COMSOL. , 2019, , .		1
100	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
101	Notice of Retraction: Study on Methods of Analysis and Classification for Pulse-Condition. , 2007, , .		0
102	The study of computer-aided speech training method for deaf children based on Learning Vector Quantization. , 2008, , .		0
103	Periodicity detection of ballistocardiogram based on chaotic oscillators. , 2010, , .		0
104	The influence of conductivity perturbations on MIT sensitivity field. , 2011, , .		0
105	Layered graph Data Model for dataspaces management. , 2011, , .		0
106	Comparison of Measurement Method for Eddy Current Signal of Biological Tissue in Magnetic Induction Tomography. , 2011, , .		0
107	Direct torque control of three-level inverter-Fed PMSM based on zero voltage vector distribution for torque ripple reduction. , 2017, , .		0
108	Phase Measurement Circuit Study of Eddy Current Signal in MIT. , 2019, , .		0

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109	Hardware Design for Detecting Blood Flow Based on Electromagnetic Induction. , 2020, , .		0
110	Modeling and Simulation of Artery Occlusion for Early Detection of Carotid Atherosclerosis. , 2020, , .		0
111	Healthcare monitoring system using ballistocardiogram based on LabVIEW. , 2014, , .		0
112	Image Reconstruction with the Fourier Coefficients for Magnetic Induction Tomography. Current Medical Imaging, 2020, 16, 156-163.	0.8	0
113	Application of Particle Swarm Optimization with Simulated Annealing in MIT Regularization Image Reconstruction. Symmetry, 2022, 14, 275.	2.2	0
114	Restoration of enamel anti-wear properties via remineralization: Role of occlusal loading. Friction, 0, , 1.	6.4	0
115	Heterogeneous hardening of enamel surface by occlusal loading: Effect of nanofiber orientation. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 130, 105221.	3.1	0