

Zhen Yuan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188
papers

3,416
citations

32
h-index

47
g-index

230
ext. papers

4,518
ext. citations

5.3
avg, IF

5.86
L-index

#	Paper	IF	Citations
188	Enhanced Phototherapy by Nanoparticle-Enzyme via Generation and Photolysis of Hydrogen Peroxide. <i>Nano Letters</i> , 2017 , 17, 4323-4329	11.5	156
187	Quantitative photoacoustic tomography: Recovery of optical absorption coefficient maps of heterogeneous media. <i>Applied Physics Letters</i> , 2006 , 88, 231101	3.4	116
186	In Vivo Dynamic Monitoring of Small Molecules with Implantable Polymer-Dot Transducer. <i>ACS Nano</i> , 2016 , 10, 6769-81	16.7	103
185	Highly absorbing multispectral near-infrared polymer nanoparticles from one conjugated backbone for photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , 2017 , 144, 42-52	15.6	87
184	Five-photon UV upconversion emissions of Er ³⁺ for temperature sensing. <i>Optics Express</i> , 2015 , 23, 7653-83	8.3	82
183	Mesoporous Carbon Nanospheres as a Multifunctional Carrier for Cancer Theranostics. <i>Theranostics</i> , 2018 , 8, 663-675	12.1	80
182	Spatially varying optical and acoustic property reconstruction using finite-element-based photoacoustic tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 878-88	1.8	72
181	Ultrabright Polymer-Dot Transducer Enabled Wireless Glucose Monitoring via a Smartphone. <i>ACS Nano</i> , 2018 , 12, 5176-5184	16.7	71
180	Reconstruction of optical absorption coefficient maps of heterogeneous media by photoacoustic tomography coupled with diffusion equation based regularized Newton method. <i>Optics Express</i> , 2007 , 15, 18076-81	3.3	67
179	Simultaneous reconstruction of acoustic and optical properties of heterogeneous media by quantitative photoacoustic tomography. <i>Optics Express</i> , 2006 , 14, 6749-54	3.3	57
178	Ultrasmall Semiconducting Polymer Dots with Rapid Clearance for Second Near-Infrared Photoacoustic Imaging and Photothermal Cancer Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 1909873	15.6	54
177	Activatable Small-Molecule Photoacoustic Probes that Cross the Blood-Brain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12415-12419	16.4	53
176	Self-Quenched Metal-Organic Particles as Dual-Mode Therapeutic Agents for Photoacoustic Imaging-Guided Second Near-Infrared Window Photochemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25203-25212	9.5	52
175	Polymer Dots Compartmentalized in Liposomes as a Photocatalyst for In Situ Hydrogen Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2744-2748	16.4	52
174	Three-dimensional finite-element-based photoacoustic tomography: reconstruction algorithm and simulations. <i>Medical Physics</i> , 2007 , 34, 538-46	4.4	51
173	Highly Stable Conjugated Polymer Dots as Multifunctional Agents for Photoacoustic Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7012-7021	9.5	46
172	Nanoscale metal-organic frameworks coated with poly(vinyl alcohol) for ratiometric peroxy nitrite sensing through FRET. <i>Chemical Science</i> , 2017 , 8, 5101-5106	9.4	44

171	Combining independent component analysis and Granger causality to investigate brain network dynamics with fNIRS measurements. <i>Biomedical Optics Express</i> , 2013 , 4, 2629-43	3.5	42
170	Simultaneous recovery of tissue physiological and acoustic properties and the criteria for wavelength selection in multispectral photoacoustic tomography. <i>Optics Letters</i> , 2009 , 34, 1714-6	3	42
169	Fusion of fNIRS and fMRI data: identifying when and where hemodynamic signals are changing in human brains. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 676	3.3	39
168	Nanoliposomes Co-Encapsulating CT Imaging Contrast Agent and Photosensitizer for Enhanced, Imaging Guided Photodynamic Therapy of Cancer. <i>Theranostics</i> , 2019 , 9, 1323-1335	12.1	38
167	Reduced spontaneous neuronal activity in the insular cortex and thalamus in healthy adults with insomnia symptoms. <i>Brain Research</i> , 2016 , 1648, 317-324	3.7	38
166	Polyphenol-Based Nanomedicine Evokes Immune Activation for Combination Cancer Treatment. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1967-1975	16.4	38
165	Tomographic x-ray-guided three-dimensional diffuse optical tomography of osteoarthritis in the finger joints. <i>Journal of Biomedical Optics</i> , 2008 , 13, 044006	3.5	37
164	Protein-Modified CuS Nanotriangles: A Potential Multimodal Nanoplatfor for In Vivo Tumor Photoacoustic/Magnetic Resonance Dual-Modal Imaging. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601094 ^{10.1}	10.1	36
163	Disrupted Topology of Frontostriatal Circuits Is Linked to the Severity of Insomnia. <i>Frontiers in Neuroscience</i> , 2017 , 11, 214	5.1	36
162	Imaging of small nanoparticle-containing objects by finite-element-based photoacoustic tomography. <i>Optics Letters</i> , 2005 , 30, 3054-6	3	35
161	Decreased Resting-State Activity in the Precuneus Is Associated With Depressive Episodes in Recurrent Depression. <i>Journal of Clinical Psychiatry</i> , 2017 , 78, e372-e382	4.6	35
160	Mindfulness-based interventions for major depressive disorder: A comprehensive meta-analysis of randomized controlled trials. <i>Journal of Affective Disorders</i> , 2018 , 229, 429-436	6.6	34
159	A higher order diffusion model for three-dimensional photon migration and image reconstruction in optical tomography. <i>Physics in Medicine and Biology</i> , 2009 , 54, 65-88	3.8	34
158	Inhibiting tumor oxygen metabolism and simultaneously generating oxygen by intelligent upconversion nanotherapeutics for enhanced photodynamic therapy. <i>Biomaterials</i> , 2020 , 251, 120088	15.6	33
157	Bright Polymer Dots Tracking Stem Cell Engraftment and Migration to Injured Mouse Liver. <i>Theranostics</i> , 2017 , 7, 1820-1834	12.1	32
156	Synthesis of ultra-small BaLuF5:Yb3+,Er3+@BaLuF5:Yb3+ active-core@active-shell nanoparticles with enhanced up-conversion and down-conversion luminescence by a layer-by-layer strategy. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2045-2053	7.1	32
155	A PIID-DTBT based semi-conducting polymer dots with broad and strong optical absorption in the visible-light region: Highly effective contrast agents for multiscale and multi-spectral photoacoustic imaging. <i>Nano Research</i> , 2017 , 10, 64-76	10	31
154	Three-dimensional diffuse optical tomography of osteoarthritis: initial results in the finger joints. <i>Journal of Biomedical Optics</i> , 2007 , 12, 034001	3.5	31

153	Two schemes for quantitative photoacoustic tomography based on Monte Carlo simulation. <i>Medical Physics</i> , 2016 , 43, 3987	4.4	31
152	Prevalence of major depressive disorder in older adults in China: A systematic review and meta-analysis. <i>Journal of Affective Disorders</i> , 2018 , 241, 297-304	6.6	29
151	Analysis of fMRI data using an integrated principal component analysis and supervised affinity propagation clustering approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58, 3184-96	5	29
150	Concurrent mapping of brain activation from multiple subjects during social interaction by hyperscanning: a mini-review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 819-837	3.6	29
149	Activatable photoacoustic and fluorescent probe of nitric oxide for cellular and in vivo imaging. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 403-411	8.5	28
148	Prevalence of suicide attempts in bipolar disorder: a systematic review and meta-analysis of observational studies. <i>Epidemiology and Psychiatric Sciences</i> , 2019 , 29, e63	5.1	28
147	Short- and long-range functional connectivity density alterations in adolescents with pure conduct disorder at resting-state. <i>Neuroscience</i> , 2017 , 351, 96-107	3.9	27
146	Molecular Engineering of Near-Infrared Light-Responsive BODIPY-Based Nanoparticles with Enhanced Photothermal and Photoacoustic Efficiencies for Cancer Theranostics. <i>Theranostics</i> , 2019 , 9, 5315-5331	12.1	27
145	Resting-State Neuroimaging and Neuropsychological Findings in Opioid Use Disorder during Abstinence: A Review. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 169	3.3	27
144	Functional Connectivity Estimated from Resting-State fMRI Reveals Selective Alterations in Male Adolescents with Pure Conduct Disorder. <i>PLoS ONE</i> , 2015 , 10, e0145668	3.7	26
143	Image-guided optical spectroscopy in diagnosis of osteoarthritis: a clinical study. <i>Biomedical Optics Express</i> , 2010 , 1, 74-86	3.5	26
142	Quantitative photoacoustic tomography. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 3043-54	3	25
141	Mapping the small-world properties of brain networks in deception with functional near-infrared spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 25297	4.9	25
140	Multi-spectral photoacoustic elasticity tomography. <i>Biomedical Optics Express</i> , 2016 , 7, 3323-3334	3.5	24
139	Diffusion Tensor Imaging Tractography Reveals Disrupted White Matter Structural Connectivity Network in Healthy Adults with Insomnia Symptoms. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 583	3.3	23
138	Brightness calibrates particle size in single particle fluorescence imaging. <i>Optics Letters</i> , 2015 , 40, 1242-5		22
137	ROS-Responsive Berberine Polymeric Micelles Effectively Suppressed the Inflammation of Rheumatoid Arthritis by Targeting Mitochondria. <i>Nano-Micro Letters</i> , 2020 , 12, 76	19.5	22
136	Spatiotemporal and time-frequency analysis of functional near infrared spectroscopy brain signals using independent component analysis. <i>Journal of Biomedical Optics</i> , 2013 , 18, 106011	3.5	22

135	Recent Advances in Conjugated Polymer Nanoparticles for NIR-II Imaging and Therapy. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4241-4257	4.3	22
134	Abnormal resting-state functional connectivity in the orbitofrontal cortex of heroin users and its relationship with anxiety: a pilot fNIRS study. <i>Scientific Reports</i> , 2017 , 7, 46522	4.9	21
133	Comparison of Regularization Methods in Fluorescence Molecular Tomography. <i>Photonics</i> , 2014 , 1, 95-109	10.9	21
132	Abnormal dynamic functional connectivity and brain states in Alzheimer's diseases: functional near-infrared spectroscopy study. <i>Neurophotonics</i> , 2019 , 6, 025010	3.9	21
131	Nanoparticle Probes for Structural and Functional Photoacoustic Molecular Tomography. <i>BioMed Research International</i> , 2015 , 2015, 757101	3	20
130	Ultrasound Responsive Magnetic Mesoporous Silica Nanoparticle-Loaded Microbubbles for Efficient Gene Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2904-2912	5.5	20
129	pH-sensitive loaded retinal/indocyanine green micelles as an "all-in-one" theranostic agent for multi-modal imaging in vivo guided cellular senescence-photothermal synergistic therapy. <i>Chemical Communications</i> , 2019 , 55, 6209-6212	5.8	19
128	Monolithic Multiband CMUTs for Photoacoustic Computed Tomography With In Vivo Biological Tissue Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 465-475	3.2	19
127	A calibration-free, one-step method for quantitative photoacoustic tomography. <i>Medical Physics</i> , 2012 , 39, 6895-9	4.4	18
126	Finite-element-based photoacoustic tomography: phantom and chicken bone experiments. <i>Applied Optics</i> , 2006 , 45, 3177-83	1.7	18
125	Retroreflective-type Janus microspheres as a novel contrast agent for enhanced optical coherence tomography. <i>Journal of Biophotonics</i> , 2017 , 10, 878-886	3.1	17
124	Two-stage CNNs for computerized BI-RADS categorization in breast ultrasound images. <i>BioMedical Engineering OnLine</i> , 2019 , 18, 8	4.1	17
123	Different Neural Correlates of Emotion-Label Words and Emotion-Laden Words: An ERP Study. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 455	3.3	17
122	Phototheranostic Metal-Phenolic Networks with Antiexosomal PD-L1 Enhanced Ferroptosis for Synergistic Immunotherapy. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	17
121	Optical mapping of prefrontal brain connectivity and activation during emotion anticipation. <i>Behavioural Brain Research</i> , 2018 , 350, 122-128	3.4	16
120	Bright red-emitting polymer dots for specific cellular imaging. <i>Journal of Materials Science</i> , 2015 , 50, 5571-5577	4.3	16
119	In vivo three-dimensional characterization of the adult zebrafish brain using a 1325 nm spectral-domain optical coherence tomography system with the 27 frame/s video rate. <i>Biomedical Optics Express</i> , 2015 , 6, 3932-40	3.5	15
118	McGurk Effect by Individuals with Autism Spectrum Disorder and Typically Developing Controls: A Systematic Review and Meta-analysis. <i>Journal of Autism and Developmental Disorders</i> , 2019 , 49, 34-43	4.6	15

117	White matter structure in loneliness: preliminary findings from diffusion tensor imaging. <i>NeuroReport</i> , 2014 , 25, 843-847	1.7	15
116	Targeting immune checkpoint B7-H3 antibody-chlorin e6 bioconjugates for spectroscopic photoacoustic imaging and photodynamic therapy. <i>Chemical Communications</i> , 2019 , 55, 14255-14258	5.8	15
115	Depressive symptoms in patients with irritable bowel syndrome: a meta-analysis of comparative studies. <i>International Journal of Biological Sciences</i> , 2018 , 14, 1504-1512	11.2	15
114	A hypoxia responsive nanoassembly for tumor specific oxygenation and enhanced sonodynamic therapy. <i>Biomaterials</i> , 2021 , 275, 120822	15.6	15
113	Imaging molecular signatures for clinical detection of scleroderma in the hand by multispectral photoacoustic elastic tomography. <i>Journal of Biophotonics</i> , 2018 , 11, e201700267	3.1	14
112	Image reconstruction scheme that combines modified Newton method and efficient initial guess estimation for optical tomography of finger joints. <i>Applied Optics</i> , 2007 , 46, 2757-68	1.7	14
111	Whole-body multispectral photoacoustic imaging of adult zebrafish. <i>Biomedical Optics Express</i> , 2016 , 7, 3543-3550	3.5	14
110	Workplace violence and its association with quality of life among mental health professionals in China during the COVID-19 pandemic. <i>Journal of Psychiatric Research</i> , 2021 , 135, 289-293	5.2	14
109	Regulating the color output and simultaneously enhancing the intensity of upconversion nanoparticles via a dye sensitization strategy. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8607-8615	7.1	13
108	Optical mapping of brain activation during the English to Chinese and Chinese to English sight translation. <i>Biomedical Optics Express</i> , 2017 , 8, 5399-5411	3.5	13
107	Comparison of diffusion approximation and higher order diffusion equations for optical tomography of osteoarthritis. <i>Journal of Biomedical Optics</i> , 2009 , 14, 054013	3.5	13
106	Photoacoustic Tomography Imaging of the Adult Zebrafish by Using Unfocused and Focused High-Frequency Ultrasound Transducers. <i>Applied Sciences (Switzerland)</i> , 2016 , 6, 392	2.6	13
105	Silica-encapsulated semiconductor polymer dots as stable phosphors for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7281-7285	7.1	12
104	Emotion recognition and its relation to prefrontal function and network in heroin plus nicotine dependence: a pilot study. <i>Neurophotonics</i> , 2018 , 5, 025011	3.9	12
103	Different early and late processing of emotion-label words and emotion-laden words in a second language: An ERP study. <i>Second Language Research</i> , 2020 , 36, 399-412	2.3	12
102	Prevalence of comorbid depression in schizophrenia: A meta-analysis of observational studies. <i>Journal of Affective Disorders</i> , 2020 , 273, 524-531	6.6	11
101	High-resolution x-ray guided three-dimensional diffuse optical tomography of joint tissues in hand osteoarthritis: morphological and functional assessments. <i>Medical Physics</i> , 2010 , 37, 4343-54	4.4	11
100	Disrupted small-world brain network topology in pure conduct disorder. <i>Oncotarget</i> , 2017 , 8, 65506-65534	3.4	11

99	Protein-modified conjugated polymer nanoparticles with strong near-infrared absorption: a novel nanoplatform to design multifunctional nanoprobess for dual-modal photoacoustic and fluorescence imaging. <i>Nanoscale</i> , 2018 , 10, 19742-19748	7.7	11
98	Nano-loaded natural killer cells as carriers of indocyanine green for synergetic cancer immunotherapy and phototherapy. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1941002	1.2	10
97	Altered Functional Connectivity in the Motor and Prefrontal Cortex for Children With DownB Syndrome: An fNIRS Study. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 6	3.3	10
96	Photoacoustic-Based Multimodal Nanoprobess: from Constructing to Biological Applications. <i>International Journal of Biological Sciences</i> , 2017 , 13, 401-412	11.2	10
95	Detecting Concealed Information with Fused Electroencephalography and Functional Near-infrared Spectroscopy. <i>Neuroscience</i> , 2018 , 386, 284-294	3.9	10
94	Differentiating emotion-label words and emotion-laden words in emotion conflict: an ERP study. <i>Experimental Brain Research</i> , 2019 , 237, 2423-2430	2.3	10
93	Effective Connectivity of the Fronto-Parietal Network during the Tangram Task in a Natural Environment. <i>Neuroscience</i> , 2019 , 422, 202-211	3.9	10
92	Dual-Modality Imaging of the Human Finger Joint Systems by Using Combined Multispectral Photoacoustic Computed Tomography and Ultrasound Computed Tomography. <i>BioMed Research International</i> , 2016 , 2016, 1453272	3	10
91	Machine learning: assessing neurovascular signals in the prefrontal cortex with non-invasive bimodal electro-optical neuroimaging in opiate addiction. <i>Scientific Reports</i> , 2019 , 9, 18262	4.9	10
90	Low-toxicity FePt nanoparticles for the targeted and enhanced diagnosis of breast tumors using few centimeters deep whole-body photoacoustic imaging. <i>Photoacoustics</i> , 2020 , 19, 100179	9	10
89	PEGylated liposomal photosensitizers as theranostic agents for dual-modal photoacoustic and fluorescence imaging-guided photodynamic therapy. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1941003	1.2	9
88	DHX33 Interacts with AP-2To Regulate Gene Expression and Promote Cancer Cell Survival. <i>Molecular and Cellular Biology</i> , 2019 , 39,	4.8	9
87	Multifunctional conjugated polymer nanoparticles for photoacoustic-based multimodal imaging and cancer photothermal therapy. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1930001	1.2	9
86	Psychopathology and extrapyramidal side effects in smoking and non-smoking patients with schizophrenia: Systematic review and meta-analysis of comparative studies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 92, 476-482	5.5	9
85	Multigrid-based reconstruction algorithm for quantitative photoacoustic tomography. <i>Biomedical Optics Express</i> , 2015 , 6, 2424-34	3.5	9
84	Thermosensitive Polymer Dot Nanocomposites for Trimodal Computed Tomography/Photoacoustic/Fluorescence Imaging-Guided Synergistic Chemo-Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51174-51184	9.5	9
83	Optical mapping of prefrontal activity in pathological gamblers. <i>Applied Optics</i> , 2017 , 56, 5948-5953	1.7	9
82	Attentional avoidance of threats in obsessive compulsive disorder: An event related potential study. <i>Behaviour Research and Therapy</i> , 2017 , 97, 96-104	5.2	9

81	Development of a multi-band photoacoustic tomography imaging system based on a capacitive micromachined ultrasonic transducer array. <i>Applied Optics</i> , 2017 , 56, 4012-4018	0.2	9
80	Multimode Time-Resolved Superresolution Microscopy Revealing Chain Packing and Anisotropic Single Carrier Transport in Conjugated Polymer Nanowires. <i>Nano Letters</i> , 2021 , 21, 4255-4261	11.5	9
79	Narrow-band polymer dots with pronounced fluorescence fluctuations for dual-color super-resolution imaging. <i>Nanoscale</i> , 2020 , 12, 7522-7526	7.7	8
78	Decreased interhemispheric resting-state functional connectivity in male adolescents with conduct disorder. <i>Brain Imaging and Behavior</i> , 2021 , 15, 1201-1210	4.1	8
77	Neuroticism and conscientiousness respectively positively and negatively correlated with the network characteristic path length in dorsal lateral prefrontal cortex: A resting-state fNIRS study. <i>Brain and Behavior</i> , 2018 , 8, e01074	3.4	8
76	Reliability evaluation on weighted graph metrics of fNIRS brain networks. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 832-841	3.6	8
75	Optical mapping of the dominant frequency of brain signal oscillations in motor systems. <i>Scientific Reports</i> , 2017 , 7, 14703	4.9	8
74	Semiconductor polymer dots induce proliferation in human gastric mucosal and adenocarcinoma cells. <i>Macromolecular Bioscience</i> , 2015 , 15, 318-27	5.5	8
73	A systematic investigation of reflectance diffuse optical tomography using nonlinear reconstruction methods and continuous wave measurements. <i>Biomedical Optics Express</i> , 2014 , 5, 3011-22	3.5	8
72	Quantitative multispectral photoacoustic tomography and wavelength optimization. <i>Journal of X-Ray Science and Technology</i> , 2010 , 18, 415-27	2.1	8
71	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55624-55637	9.5	8
70	Supramolecular Tropism Driven Aggregation of Nanoparticles In Situ for Tumor-Specific Bioimaging and Photothermal Therapy. <i>Small</i> , 2021 , 17, e2101332	11	8
69	Engineering biocompatible benzodithiophene-based polymer dots with tunable absorptions as high-efficiency theranostic agents for multiscale photoacoustic imaging-guided photothermal therapy. <i>Biomaterials Science</i> , 2019 , 7, 1486-1492	7.4	7
68	Prospective memory in bipolar disorder: A meta-analysis. <i>Psychiatry Research</i> , 2018 , 259, 184-190	9.9	7
67	Computer-aided classification of optical images for diagnosis of osteoarthritis in the finger joints. <i>Journal of X-Ray Science and Technology</i> , 2011 , 19, 531-44	2.1	7
66	Temperature-Feedback Nanoplatfor for NIR-II Penta-Modal Imaging-Guided Synergistic Photothermal Therapy and CAR-NK Immunotherapy of Lung Cancer. <i>Small</i> , 2021 , 17, e2101397	11	7
65	In vivo blood viscosity characterization based on frequency-resolved photoacoustic measurement. <i>Applied Physics Letters</i> , 2018 , 113, 143703	3.4	7
64	NIR-II Dual-Modal Optical Coherence Tomography and Photoacoustic Imaging-Guided Dose-Control Cancer Chemotherapy. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1964-1973	4.3	6

63	The development and validation of a short version of the 33-item Hypomania Checklist (HCL-33). <i>Journal of Affective Disorders</i> , 2018 , 235, 206-210	6.6	6
62	Individuals with high obsessive-compulsive tendencies or undermined confidence rely more on external proxies to access their internal states. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 2017 , 54, 263-269	2.6	6
61	Which is more costly in Chinese to English simultaneous interpreting, "pairing" or "transphrasing"? Evidence from an fNIRS neuroimaging study. <i>Neurophotonics</i> , 2018 , 5, 025010	3.9	6
60	Shape-adapting panoramic photoacoustic endomicroscopy. <i>Optics Letters</i> , 2019 , 44, 2681	3	6
59	Pruriception and neuronal coding in nociceptor subtypes in human and nonhuman primates. <i>ELife</i> , 2021 , 10,	8.9	6
58	A novel phase analysis method for examining fNIRS neuroimaging data associated with Chinese/English sight translation. <i>Behavioural Brain Research</i> , 2019 , 361, 151-158	3.4	6
57	Multispectral photoacoustic imaging of cancer with broadband CuS nanoparticles covering both near-infrared I and II biological windows. <i>Journal of Biophotonics</i> , 2019 , 12, e201800237	3.1	6
56	Affective picture processing is modulated by emotion word type in masked priming paradigm: an event-related potential study. <i>Journal of Cognitive Psychology</i> , 2020 , 32, 287-297	0.9	6
55	Optical Mapping of Brain Activation and Connectivity in Occipitotemporal Cortex During Chinese Character Recognition. <i>Brain Topography</i> , 2018 , 31, 1014-1028	4.3	6
54	Supramolecular micelles as multifunctional theranostic agents for synergistic photodynamic therapy and hypoxia-activated chemotherapy. <i>Acta Biomaterialia</i> , 2021 , 131, 483-492	10.8	6
53	Comparison of the 32-item Hypomania Checklist, the 33-item Hypomania Checklist, and the Mood Disorders Questionnaire for bipolar disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2017 , 71, 403-408	6.2	5
52	Non-speech and speech pitch perception among Cantonese-speaking children with autism spectrum disorder: An ERP study. <i>Neuroscience Letters</i> , 2019 , 703, 205-212	3.3	5
51	Quantification of the power changes in BOLD signals using Welch spectrum method during different single-hand motor imageries. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1307-13	3.3	5
50	Listening to light scattering in turbid media: quantitative optical scattering imaging using photoacoustic measurements with one-wavelength illumination. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 065301	1.7	5
49	Co-encapsulating indocyanine green and CT contrast agent within nanoliposomes for trimodal imaging and near infrared phototherapy of cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 29, 102269	6	5
48	Polymer Dots for Precision Photothermal Therapy of Brain Tumors in the Second Near-Infrared Window: A Mini-Review. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4319-4330	4.3	5
47	Dual-Modal In Vivo Fluorescence/Photoacoustic Microscopy Imaging of Inflammation Induced by GFP-Expressing Bacteria. <i>Sensors</i> , 2019 , 19,	3.8	5
46	An Investigation of the Differences and Similarities between Generated Small-World Networks for Right- and Left-Hand Motor Imageries. <i>Scientific Reports</i> , 2016 , 6, 36562	4.9	4

45	An ERP investigation on the second language and emotion perception: the role of emotion word type. <i>International Journal of Bilingual Education and Bilingualism</i> , 2019 , 1-13	1.7	4
44	Protein-modified ultra-small gold clusters for dual-modal fluorescence/photoacoustic imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 326-332	3.6	4
43	Mapping the small-world properties of brain networks in Chinese to English simultaneous interpreting by using functional near-infrared spectroscopy. <i>Journal of Innovative Optical Health Sciences</i> , 2018 , 11, 1840001	1.2	3
42	F212. Desynchronized Lower Alpha Rhythms Were Associated With Functional Ischemia in the Prefrontal Cortex in Heroin Patients After Protracted Abstinence: A Concurrent EEG-fNIRS Study. <i>Biological Psychiatry</i> , 2019 , 85, S295-S296	7.9	3
41	A DTI study of leukoaraiosis and the differential diagnosis between leukoaraiosis and acute lacunar infarction. <i>CNS Neuroscience and Therapeutics</i> , 2019 , 25, 1064-1067	6.8	3
40	Activatable Small-Molecule Photoacoustic Probes that Cross the Blood-Brain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease. <i>Angewandte Chemie</i> , 2019 , 131, 12545-12549	3.6	3
39	Investigation of the Changes in the Power Distribution in Resting-State Brain Networks Associated with Pure Conduct Disorder. <i>Scientific Reports</i> , 2017 , 7, 5528	4.9	3
38	Linking brain activation to topological organization in the frontal lobe as a synergistic indicator to characterize the difference between various cognitive processes of executive functions. <i>Neurophotonics</i> , 2019 , 6, 025008	3.9	3
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