

Guosheng Song

List of Publications by Year in descending order

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107
papers

10,279
citations

31949

53
h-index

33869

99
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108
all docs

108
docs citations

108
times ranked

11003
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging Nanotechnology and Advanced Materials for Cancer Radiation Therapy. <i>Advanced Materials</i> , 2017, 29, 1700996.	11.1	528
2	Perfluorocarbon-Loaded Hollow Bi ₂ Se ₃ Nanoparticles for Timely Supply of Oxygen under Near-Infrared Light to Enhance the Radiotherapy of Cancer. <i>Advanced Materials</i> , 2016, 28, 2716-2723.	11.1	518
3	Ultrathin PEGylated W ₁₈ O ₄₉ Nanowires as a New 980 nm Laser-Driven Photothermal Agent for Efficient Ablation of Cancer Cells In Vivo. <i>Advanced Materials</i> , 2013, 25, 2095-2100.	11.1	370
4	Emerging nanomedicine approaches fighting tumor metastasis: animal models, metastasis-targeted drug delivery, phototherapy, and immunotherapy. <i>Chemical Society Reviews</i> , 2016, 45, 6250-6269.	18.7	365
5	Smart Nanoreactors for pH-Responsive Tumor Homing, Mitochondria-Targeting, and Enhanced Photodynamic-Immunotherapy of Cancer. <i>Nano Letters</i> , 2018, 18, 2475-2484.	4.5	348
6	Catalase-Loaded TaOx Nanoshells as Bio-Nanoreactors Combining High-Z Element and Enzyme Delivery for Enhancing Radiotherapy. <i>Advanced Materials</i> , 2016, 28, 7143-7148.	11.1	346
7	Core-Shell MnSe@Bi ₂ Se ₃ Fabricated via a Cation Exchange Method as Novel Nanotheranostics for Multimodal Imaging and Synergistic Thermoradiotherapy. <i>Advanced Materials</i> , 2015, 27, 6110-6117.	11.1	330
8	Design and Functionalization of the NIR-Responsive Photothermal Semiconductor Nanomaterials for Cancer Theranostics. <i>Accounts of Chemical Research</i> , 2017, 50, 2529-2538.	7.6	312
9	Hyaluronidase To Enhance Nanoparticle-Based Photodynamic Tumor Therapy. <i>Nano Letters</i> , 2016, 16, 2512-2521.	4.5	279
10	Degradable Molybdenum Oxide Nanosheets with Rapid Clearance and Efficient Tumor Homing Capabilities as a Therapeutic Nanoplatfom. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2122-2126.	7.2	254
11	FeSe ₂ -Decorated Bi ₂ Se ₃ Nanosheets Fabricated via Cation Exchange for Chelator-Free ⁶⁴ Cu Labeling and Multimodal Image-Guided Photothermal-Radiation Therapy. <i>Advanced Functional Materials</i> , 2016, 26, 2185-2197.	7.8	225
12	Persistent Regulation of Tumor Microenvironment via Circulating Catalysis of MnFe ₂ O ₄ @Metal-Organic Frameworks for Enhanced Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1901417.	7.8	217
13	Catalase-loaded cisplatin-prodrug-constructed liposomes to overcome tumor hypoxia for enhanced chemo-radiotherapy of cancer. <i>Biomaterials</i> , 2017, 138, 13-21.	5.7	214
14	A Low-Toxic Multifunctional Nanoplatfom Based on Cu ₉ S ₅ @mSiO ₂ Core-Shell Nanocomposites: Combining Photothermal and Chemotherapies with Infrared Thermal Imaging for Cancer Treatment. <i>Advanced Functional Materials</i> , 2013, 23, 4281-4292.	7.8	207
15	Image-Guided Combined Photothermal and Radiotherapy to Treat Subcutaneous and Metastatic Tumors Using Iodine-Doped Copper Sulfide Nanoparticles. <i>Advanced Functional Materials</i> , 2015, 25, 4689-4699.	7.8	207
16	Highly aligned SnO ₂ nanorods on graphene sheets for gas sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 17360.	6.7	199
17	TaOx decorated perfluorocarbon nanodroplets as oxygen reservoirs to overcome tumor hypoxia and enhance cancer radiotherapy. <i>Biomaterials</i> , 2017, 112, 257-263.	5.7	199
18	In Vivo Long-Term Biodistribution, Excretion, and Toxicology of PEGylated Transition-Metal Dichalcogenides MS ₂ (M = Mo, W, Ti) Nanosheets. <i>Advanced Science</i> , 2017, 4, 1600160.	5.6	191

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19	Janus Iron Oxides @ Semiconducting Polymer Nanoparticle Tracer for Cell Tracking by Magnetic Particle Imaging. <i>Nano Letters</i> , 2018, 18, 182-189.	4.5	168
20	Hydrophilic Molybdenum Oxide Nanomaterials with Controlled Morphology and Strong Plasmonic Absorption for Photothermal Ablation of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3915-3922.	4.0	166
21	Drug-induced co-assembly of albumin/catalase as smart nano-theranostics for deep intra-tumoral penetration, hypoxia relieve, and synergistic combination therapy. <i>Journal of Controlled Release</i> , 2017, 263, 79-89.	4.8	165
22	Carbon-coated FeCo nanoparticles as sensitive magnetic-particle-imaging tracers with photothermal and magnetothermal properties. <i>Nature Biomedical Engineering</i> , 2020, 4, 325-334.	11.6	160
23	Core-shell Au@MnO ₂ nanoparticles for enhanced radiotherapy via improving the tumor oxygenation. <i>Nano Research</i> , 2016, 9, 3267-3278.	5.8	155
24	Light-free Generation of Singlet Oxygen through Manganese-Thiophene Nanosystems for pH-Responsive Chemiluminescence Imaging and Tumor Therapy. <i>CheM</i> , 2020, 6, 2314-2334.	5.8	150
25	NIR-Driven Plasmon-Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxia-Induced Radiotherapy Tolerance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15069-15075.	7.2	142
26	An Acidity-Unlocked Magnetic Nanoplatform Enables Self-Boosting ROS Generation through Upregulation of Lactate for Imaging-Guided Highly Specific Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9562-9572.	7.2	140
27	Ultra-small MoS ₂ nanodots with rapid body clearance for photothermal cancer therapy. <i>Nano Research</i> , 2016, 9, 3003-3017.	5.8	134
28	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. <i>American Journal of Neuroradiology</i> , 2019, 40, 206-212.	1.2	133
29	Facile synthesis of porous MnCo ₂ O _{4.5} hierarchical architectures for high-rate supercapacitors. <i>CrystEngComm</i> , 2014, 16, 2335-2339.	1.3	131
30	Liposomes co-loaded with metformin and chlorin e6 modulate tumor hypoxia during enhanced photodynamic therapy. <i>Nano Research</i> , 2017, 10, 1200-1212.	5.8	128
31	Nitric Oxide-Activated "Dual-Key" One-Lock Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 13572-13581.	6.6	126
32	Reactive Oxygen Correlated Chemiluminescent Imaging of a Semiconducting Polymer Nanoplatform for Monitoring Chemodynamic Therapy. <i>Nano Letters</i> , 2020, 20, 176-183.	4.5	123
33	MnO ₂ ultralong nanowires with better electrical conductivity and enhanced supercapacitor performances. <i>Journal of Materials Chemistry</i> , 2012, 22, 14864.	6.7	101
34	Self-assembling hybrid NiO/Co ₃ O ₄ ultrathin and mesoporous nanosheets into flower-like architectures for pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9107.	5.2	101
35	Bottom-Up Preparation of Uniform Ultrathin Rhenium Disulfide Nanosheets for Image-Guided Photothermal Radiotherapy. <i>Advanced Functional Materials</i> , 2017, 27, 1700250.	7.8	100
36	The use of hollow mesoporous silica nanospheres to encapsulate bortezomib and improve efficacy for non-small cell lung cancer therapy. <i>Biomaterials</i> , 2014, 35, 316-326.	5.7	96

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37	Chemical Design of Activatable Photoacoustic Probes for Precise Biomedical Applications. <i>Chemical Reviews</i> , 2022, 122, 6850-6918.	23.0	94
38	Phase-controlled synthesis and gas-sensing properties of zinc stannate (ZnSnO ₃ and Zn ₂ SnO ₄) faceted solid and hollow microcrystals. <i>CrystEngComm</i> , 2012, 14, 2172.	1.3	89
39	Phase-controlled synthesis and photocatalytic properties of SnS, SnS ₂ and SnS/SnS ₂ heterostructure nanocrystals. <i>Materials Research Bulletin</i> , 2013, 48, 2325-2332.	2.7	87
40	MoS ₂ -Based Nanoprobes for Detection of Silver Ions in Aqueous Solutions and Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7526-7533.	4.0	85
41	<i>In vivo</i> therapeutic response monitoring by a self-reporting upconverting covalent organic framework nanoplatfom. <i>Chemical Science</i> , 2020, 11, 1299-1306.	3.7	83
42	All-in-One Theranostic Nanoplatfom Based on Hollow TaOx for Chelator-Free Labeling Imaging, Drug Delivery, and Synergistically Enhanced Radiotherapy. <i>Advanced Functional Materials</i> , 2016, 26, 8243-8254.	7.8	78
43	A Magneto-Optical Nanoplatfom for Multimodality Imaging of Tumors in Mice. <i>ACS Nano</i> , 2019, 13, 7750-7758.	7.3	78
44	Cu ₂ Se@mSiO ₂ "PEG core" shell nanoparticles: a low-toxic and efficient difunctional nanoplatfom for chemo-photothermal therapy under near infrared light radiation with a safe power density. <i>Nanoscale</i> , 2014, 6, 4361-4370.	2.8	77
45	Surface decoration of Bi ₂ WO ₆ superstructures with Bi ₂ O ₃ nanoparticles: an efficient method to improve visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 9011.	1.3	75
46	Au@mns@ZnS Core/Shell/Shell Nanoparticles for Magnetic Resonance Imaging and Enhanced Cancer Radiation Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9557-9564.	4.0	70
47	Dual key co-activated nanoplatfom for switchable MRI monitoring accurate ferroptosis-based synergistic therapy. <i>CheM</i> , 2022, 8, 1956-1981.	5.8	67
48	Generation of hydroxyl radical-activatable ratiometric near-infrared bimodal probes for early monitoring of tumor response to therapy. <i>Nature Communications</i> , 2021, 12, 6145.	5.8	66
49	Conjugated-Polymer-Based Nanomaterials for Photothermal Therapy. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4258-4272.	2.0	65
50	Engineering of magnetic nanoparticles as magnetic particle imaging tracers. <i>Chemical Society Reviews</i> , 2021, 50, 8102-8146.	18.7	64
51	Nanoscale Metal-Organic Framework Based Two-Photon Sensing Platform for Bioimaging in Live Tissue. <i>Analytical Chemistry</i> , 2019, 91, 2727-2733.	3.2	63
52	Drug-Loaded Mesoporous Tantalum Oxide Nanoparticles for Enhanced Synergetic Chemoradiotherapy with Reduced Systemic Toxicity. <i>Small</i> , 2017, 13, 1602869.	5.2	62
53	Combined bortezomib-based chemotherapy and p53 gene therapy using hollow mesoporous silica nanospheres for p53 mutant non-small cell lung cancer treatment. <i>Biomaterials Science</i> , 2017, 5, 77-88.	2.6	59
54	Smart Nanozyme Platfom with Activity-Correlated Ratiometric Molecular Imaging for Predicting Therapeutic Effects. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26142-26150.	7.2	57

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55	Ternary Alloy PtW _{Mn} as a Mn Nanoreservoir for High-Field MRI Monitoring and Highly Selective Ferroptosis Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	53
56	Degradable rhenium trioxide nanocubes with high localized surface plasmon resonance absorbance like gold for photothermal theranostics. <i>Biomaterials</i> , 2018, 159, 68-81.	5.7	52
57	A Zn ₂ GeO ₄ -ethylenediamine hybrid nanoribbon membrane as a recyclable adsorbent for the highly efficient removal of heavy metals from contaminated water. <i>Chemical Communications</i> , 2011, 47, 10719.	2.2	51
58	Ratiometric Semiconducting Polymer Nanoparticle for Reliable Photoacoustic Imaging of Pneumonia-Induced Vulnerable Atherosclerotic Plaque in Vivo. <i>Nano Letters</i> , 2021, 21, 4484-4493.	4.5	51
59	One-pot morphology-controlled synthesis of various shaped mesoporous silica nanoparticles. <i>Journal of Materials Science</i> , 2013, 48, 5718-5726.	1.7	49
60	Ratiometric afterglow luminescent nanoplatform enables reliable quantification and molecular imaging. <i>Nature Communications</i> , 2022, 13, 2216.	5.8	49
61	NaYF ₄ :Yb/Er@PPy core-shell nanoplates: an imaging-guided multimodal platform for photothermal therapy of cancers. <i>Nanoscale</i> , 2016, 8, 1040-1048.	2.8	42
62	Cyclic Amplification of the Afterglow Luminescent Nanoreporter Enables the Prediction of Anti-cancer Efficiency. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19779-19789.	7.2	42
63	A dual factor activated metal-organic framework hybrid nanoplatform for photoacoustic imaging and synergetic photo-chemotherapy. <i>Nanoscale</i> , 2019, 11, 20630-20637.	2.8	39
64	One-step aqueous solution synthesis of Ge nanocrystals from GeO ₂ powders. <i>CrystEngComm</i> , 2011, 13, 3674.	1.3	37
65	A simple transformation from silica core-shell to yolk-shell nanostructures: a useful platform for effective cell imaging and drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 17011.	6.7	37
66	Magnetic Field-Enhanced Photothermal Ablation of Tumor Sentinel Lymph Nodes to Inhibit Cancer Metastasis. <i>Small</i> , 2015, 11, 4856-4863.	5.2	36
67	Bright sub-20-nm cathodoluminescent nanoprobos for electron microscopy. <i>Nature Nanotechnology</i> , 2019, 14, 420-425.	15.6	36
68	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2017, 11, 12193-12201.	7.3	34
69	A Novel Photothermal Nanocrystals of Cu ₇ S ₄ Hollow Structure for Efficient Ablation of Cancer Cells. <i>Nano-Micro Letters</i> , 2014, 6, 169-177.	14.4	33
70	Magnetic Particle Imaging in Neurosurgery. <i>World Neurosurgery</i> , 2019, 125, 261-270.	0.7	31
71	Tongue cancer tailored photosensitizers for NIR-II fluorescence imaging guided precise treatment. <i>Nano Today</i> , 2022, 45, 101550.	6.2	31
72	Oxygen-Embedded Pentacene Based Near-Infrared Chemiluminescent Nanoprobe for Highly Selective and Sensitive Visualization of Peroxynitrite In Vivo. <i>Analytical Chemistry</i> , 2020, 92, 4154-4163.	3.2	30

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73	Copper-thioguanine metallodrug with self-reinforcing circular catalysis for activatable MRI imaging and amplifying specificity of cancer therapy. <i>Science China Chemistry</i> , 2020, 63, 924-935.	4.2	29
74	Hierarchical Heterostructures of NiCo ₂ O ₄ @XMoO ₄ (X = Ni, Co) as an Electrode Material for High-Performance Supercapacitors. <i>Nanoscale Research Letters</i> , 2016, 11, 257.	3.1	28
75	Oxygen-Embedded Quinoidal Acene Based Semiconducting Chromophore Nanoprobe for Amplified Photoacoustic Imaging and Photothermal Therapy. <i>Analytical Chemistry</i> , 2019, 91, 15275-15283.	3.2	28
76	Activatable Magnetic/Photoacoustic Nanoplatfom for Redox-Unlocked Deep-Tissue Molecular Imaging <i>in Vivo</i> via Prussian Blue Nanoprobe. <i>Analytical Chemistry</i> , 2020, 92, 13452-13461.	3.2	28
77	Degradable Magnetic Nanoplatfom with Hydroxide Ions Triggered Photoacoustic, MR Imaging, and Photothermal Conversion for Precise Cancer Theranostic. <i>Nano Letters</i> , 2022, 22, 3228-3235.	4.5	28
78	In situ synthesis of P3HT-capped CdSe superstructures and their application in solar cells. <i>Nanoscale Research Letters</i> , 2013, 8, 106.	3.1	25
79	Ultrafine MnO ₂ Nanowire Arrays Grown on Carbon Fibers for High-Performance Supercapacitors. <i>Nanoscale Research Letters</i> , 2016, 11, 469.	3.1	24
80	Two-Photon Supramolecular Nanoplatfom for Ratiometric Bioimaging. <i>Analytical Chemistry</i> , 2019, 91, 6371-6377.	3.2	24
81	Specific Core-Satellite Nanocarriers for Enhanced Intracellular ROS Generation and Synergistic Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5403-5412.	4.0	23
82	H ₂ S-Activated One-Key Triple-Lock-Bis-Metal Coordination Network for Visualizing Precise Therapy of Colon Cancer. <i>CCS Chemistry</i> , 2021, 3, 2126-2142.	4.6	22
83	NIR-Driven Plasmon-Enhanced Catalysis for a Timely Supply of Oxygen to Overcome Hypoxia-Induced Radiotherapy Tolerance. <i>Angewandte Chemie</i> , 2019, 131, 15213-15219.	1.6	19
84	Two-dimensional intermetallic PtBi/Pt core/shell nanoplates overcome tumor hypoxia for enhanced cancer therapy. <i>Nanoscale</i> , 2021, 13, 14245-14253.	2.8	19
85	An Acidity-Unlocked Magnetic Nanoplatfom Enables Self-Boosting ROS Generation through Upregulation of Lactate for Imaging-Guided Highly Specific Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 9648-9658.	1.6	17
86	Optical Magnetic probe for evaluating cancer therapy. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213978.	9.5	15
87	Manganese-Fluorouracil Metallodrug Nanotheranostic for MRI-Correlated Drug Release and Enhanced Chemoradiotherapy. <i>CCS Chemistry</i> , 2021, 3, 1116-1128.	4.6	13
88	Degradable Molybdenum Oxide Nanosheets with Rapid Clearance and Efficient Tumor Homing Capabilities as a Therapeutic Nanoplatfom. <i>Angewandte Chemie</i> , 2016, 128, 2162-2166.	1.6	12
89	Tumor-Specific Multipath Nucleic Acid Damages Strategy by Symbiosed Nanozyme@Enzyme with Synergistic Self-Cyclic Catalysis. <i>Small</i> , 2021, 17, e2100766.	5.2	12
90	A newly prepared Ni(OH) ₂ @Cr(OH) ₃ nanohybrid for its bioelectrocatalysis. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 350-359.	4.0	11

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91	A Mobile Sn Nanowire Inside a Ga_2O_3 Tube: A Practical Nanoscale Electrically/Thermally Driven Switch. <i>Small</i> , 2011, 7, 3377-3384.	5.2	10
92	Adsorption of Bill on Pt nanoparticles leading to the enhanced electrocatalysis of glucose oxidation. <i>Colloid Journal</i> , 2015, 77, 382-389.	0.5	10
93	Cancer Therapy: Perfluorocarbon-Loaded Hollow Bi_2Se_3 Nanoparticles for Timely Supply of Oxygen under Near-Infrared Light to Enhance the Radiotherapy of Cancer (<i>Adv. Mater.</i> 14/2016). <i>Advanced Materials</i> , 2016, 28, 2654-2654.	11.1	10
94	A two-photon fluorescence self-reporting black phosphorus nanoprobe for the <i>in situ</i> monitoring of therapy response. <i>Chemical Communications</i> , 2020, 56, 14007-14010.	2.2	10
95	Ternary Alloy PtMn as a Mn Nanoreservoir for High-Field MRI Monitoring and Highly Selective Ferroptosis Therapy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	10
96	Nanovoid-confinement and click-activated nanoreactor for synchronous delivery of prodrug pairs and precise photodynamic therapy. <i>Nano Research</i> , 2022, 15, 9264-9273.	5.8	10
97	Linker-free Gold Nanoparticle Superstructure Coated with Poly(dopamine) by Site-specific Polymerization for Amplifying Photothermal Cancer Therapy. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2742-2748.	1.7	9
98	Nanocomposites: A Low-Toxic Multifunctional Nanoplatfom Based on Cu_9S_5 @ mSiO_2 Core-Shell Nanocomposites: Combining Photothermal- and Chemotherapies with Infrared Thermal Imaging for Cancer Treatment (<i>Adv. Funct. Mater.</i> 35/2013). <i>Advanced Functional Materials</i> , 2013, 23, 4280-4280.	7.8	8
99	<i>In Vivo</i> Imaging of Methionine Aminopeptidase II for Prostate Cancer Risk Stratification. <i>Cancer Research</i> , 2021, 81, 2510-2521.	0.4	8
100	One-step reduction-encapsulated synthesis of Ag @polydopamine multicore-shell nanosystem for enhanced photoacoustic imaging and photothermal-chemodynamic cancer therapy. <i>Nano Research</i> , 2022, 15, 8291-8303.	5.8	8
101	Monitoring Immunotherapy With Optical Molecular Imaging. <i>ChemMedChem</i> , 2021, 16, 2547-2557.	1.6	6
102	Cyclic Amplification of the Afterglow Luminescent Nanoreporter Enables the Prediction of Anti-cancer Efficiency. <i>Angewandte Chemie</i> , 2021, 133, 19932-19942.	1.6	6
103	Smart Nanozyme Platform with Activity-correlated Ratiometric Molecular Imaging for Predicating Therapeutic Effect. <i>Angewandte Chemie</i> , 0, , .	1.6	6
104	Recent development of magneto-optical nanoplatfom for multimodality imaging of Pancreatic Ductal Adenocarcinoma. <i>Nanoscale</i> , 2022, , .	2.8	6
105	Synthesis of Uniform Platinum Nanoparticles Using Glucose as Dispersant. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 592-595.	0.4	4
106	Magnetic-Optical Imaging for Monitoring Chemodynamic Therapy. <i>Chemical Research in Chinese Universities</i> , 0, , 1.	1.3	1
107	Oxygen-embedded quinoidal acene based semiconducting chromophore nanoprobe for amplified photoacoustic imaging. <i>Methods in Enzymology</i> , 2021, 657, 385-413.	0.4	0