Shengliang Li

List of Publications by Year
in descending order

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83 papers	4,470 citations	94433 37 h-index	110387 64 g-index
85 all docs	85 docs citations	85 times ranked	4923 citing authors

#	Article	IF	Citations
1	A Novel Doubleâ€Crosslinkingâ€Doubleâ€Network Design for Injectable Hydrogels with Enhanced Tissue Adhesion and Antibacterial Capability for Wound Treatment. Advanced Functional Materials, 2020, 30, 1904156.	14.9	256
2	Red/Nearâ€Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100â€‰% Internal Quantum Efficiency. Angewandte Chemie - International Edition, 2019, 58, 14660-14665.	13.8	247
3	Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIRâ€II Biowindow. Advanced Materials, 2020, 32, e2001146.	21.0	204
4	Near-Infrared (NIR)-Absorbing Conjugated Polymer Dots as Highly Effective Photothermal Materials for In Vivo Cancer Therapy. Chemistry of Materials, 2016, 28, 8669-8675.	6.7	197
5	Biodegradable Ï€-Conjugated Oligomer Nanoparticles with High Photothermal Conversion Efficiency for Cancer Theranostics. ACS Nano, 2019, 13, 12901-12911.	14.6	191
6	Membraneâ€Anchoring Photosensitizer with Aggregationâ€Induced Emission Characteristics for Combating Multidrugâ€Resistant Bacteria. Angewandte Chemie - International Edition, 2020, 59, 632-636.	13.8	154
7	Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy in Vitro and in Vivo. ACS Nano, 2015, 9, 9741-9756.	14.6	149
8	Graphdiyne Materials as Nanotransducer for in Vivo Photoacoustic Imaging and Photothermal Therapy of Tumor. Chemistry of Materials, 2017, 29, 6087-6094.	6.7	149
9	Perfecting and extending the near-infrared imaging window. Light: Science and Applications, 2021, 10, 197.	16.6	125
10	Conjugated Polymer Nanoparticles to Augment Photosynthesis of Chloroplasts. Angewandte Chemie - International Edition, 2017, 56, 5308-5311.	13.8	122
11	Photothermalâ€Responsive Conjugated Polymer Nanoparticles for Remote Control of Gene Expression in Living Cells. Advanced Materials, 2018, 30, 1705418.	21.0	110
12	Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics. ACS Nano, 2020, 14, 9917-9928.	14.6	101
13	Organic semiconducting polymer amphiphile for near-infrared-II light-triggered phototheranostics. Biomaterials, 2020, 232, 119684.	11.4	96
14	Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification. ACS Energy Letters, 2020, 5, 2698-2705.	17.4	92
15	Waterâ€Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIRâ€II Photothermal Antiâ€Bacterial Therapy. Angewandte Chemie - International Edition, 2021, 60, 11758-11762.	13.8	91
16	A broadband aggregation-independent plasmonic absorber for highly efficient solar steam generation. Journal of Materials Chemistry A, 2020, 8, 10742-10746.	10.3	88
17	Two-dimensional MXene-based materials for photothermal therapy. Nanophotonics, 2020, 9, 2233-2249.	6.0	85
18	An Optical Nanoruler Based on a Conjugated Polymerâ^'Silver Nanoprism Pair for Labelâ€Free Protein Detection. Advanced Materials, 2015, 27, 6040-6045.	21.0	79

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19	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. Angewandte Chemie - International Edition, 2017, 56, 13455-13458.	13.8	78
20	Biofilm Inhibition and Elimination Regulated by Cationic Conjugated Polymers. ACS Applied Materials & Interfaces, 2017, 9, 16933-16938.	8.0	73
21	Intrinsically Cancer-Mitochondria-Targeted Thermally Activated Delayed Fluorescence Nanoparticles for Two-Photon-Activated Fluorescence Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 41051-41061.	8.0	73
22	Near-infrared small molecule coupled with rigidness and flexibility for high-performance multimodal imaging-guided photodynamic and photothermal synergistic therapy. Nanoscale Horizons, 2021, 6, 177-185.	8.0	71
23	pH-responsive biocompatible fluorescent polymer nanoparticles based on phenylboronic acid for intracellular imaging and drug delivery. Nanoscale, 2014, 6, 13701-13709.	5.6	62
24	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid Î² Assembly. Angewandte Chemie - International Edition, 2019, 58, 5988-5993.	13.8	60
25	Efficient Orange-Red Thermally Activated Delayed Fluorescence Emitters Feasible for Both Thermal Evaporation and Solution Process. ACS Applied Materials & Interfaces, 2019, 11, 29086-29093.	8.0	57
26	Manipulating exciton dynamics of thermally activated delayed fluorescence materials for tuning two-photon nanotheranostics. Chemical Science, 2020, 11, 888-895.	7.4	54
27	Photothermal-Responsive Conjugated Polymer Nanoparticles for the Rapid and Effective Killing of Bacteria. ACS Applied Bio Materials, 2018, 1, 27-32.	4.6	53
28	Near-Infrared-Light-Assisted in Situ Reduction of Antimicrobial Peptide-Protected Gold Nanoclusters for Stepwise Killing of Bacteria and Cancer Cells. ACS Applied Materials & Interfaces, 2020, 12, 11063-11071.	8.0	50
29	Thermal and Nonthermal Effects in Plasmonâ€Mediated Electrochemistry at Nanostructured Ag Electrodes. Angewandte Chemie - International Edition, 2020, 59, 6790-6793.	13.8	49
30	Preparation of Conjugated Polymer Grafted with H₂O₂-Sensitive Prodrug for Cell Imaging and Tumor Cell Killing. ACS Applied Materials & Interfaces, 2016, 8, 42-46.	8.0	48
31	Stable Ï€-radical nanoparticles as versatile photosensitizers for effective hypoxia-overcoming photodynamic therapy. Materials Horizons, 2021, 8, 571-576.	12.2	48
32	Bis-diketopyrrolopyrrole conjugated polymer nanoparticles as photothermic nanoagonist for specific and synergistic glioblastoma therapy. Biomaterials, 2019, 216, 119252.	11.4	47
33	Nanoprobesâ€Assisted Multichannel NIRâ€II Fluorescence Imagingâ€Guided Resection and Photothermal Ablation of Lymph Nodes. Advanced Science, 2021, 8, 2003972.	11.2	46
34	Recent Advances in Hypoxiaâ€Overcoming Strategy of Aggregationâ€Induced Emission Photosensitizers for Efficient Photodynamic Therapy. Advanced Healthcare Materials, 2021, 10, e2101607.	7.6	46
35	Molecular Programming of NIRâ€IIbâ€Emissive Semiconducting Small Molecules for In Vivo Highâ€Contrast Bioimaging Beyond 1500â€‰nm. Advanced Materials, 2022, 34, e2201263.	21.0	44
36	Conjugated Polyelectrolyteâ€“Silver Nanostructure Pair for Detection and Killing of Bacteria. Advanced Materials Technologies, 2017, 2, 1700033.	5.8	43

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37	Red/Nearâ€Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100â€‰% Internal Quantum Efficiency. Angewandte Chemie, 2019, 131, 14802-14807.	2.0	40
38	Amplifying Free Radical Generation of AIE Photosensitizer with Small Singletâ€“Triplet Splitting for Hypoxia-Overcoming Photodynamic Therapy. ACS Applied Materials & Interfaces, 2022, 14, 5112-5121.	8.0	40
39	Silver-Nanoparticle-Embedded Porous Silicon Disks Enabled SERS Signal Amplification for Selective Glutathione Detection. ACS Applied Nano Materials, 2018, 1, 410-417.	5.0	39
40	In Vivo Real-Time Pharmaceutical Evaluations of Near-Infrared II Fluorescent Nanomedicine Bound Polyethylene Glycol Ligands for Tumor Photothermal Ablation. ACS Nano, 2020, 14, 13681-13690.	14.6	38
41	Marriage of 2D Covalentâ€“Organic Framework and 3D Network as Stable Solarâ€Thermal Still for Efficient Solar Steam Generation. Small Methods, 2021, 5, e2100036.	8.6	38
42	A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2021, 13, 15983-15991.	8.0	37
43	Aligned Millineedle Arrays for Solar Power Seawater Desalination with Siteâ€Specific Salt Formation. Small, 2021, 17, e2101487.	10.0	36
44	Conjugated Polymer Nanoparticles to Augment Photosynthesis of Chloroplasts. Angewandte Chemie, 2017, 129, 5392-5395.	2.0	35
45	Fluorescence Ratiometric Assay Strategy for Chemical Transmitter of Living Cells Using H₂O₂-Sensitive Conjugated Polymers. ACS Applied Materials & Interfaces, 2015, 7, 24110-24118.	8.0	33
46	Visual Detection of Multiplex MicroRNAs Using Cationic Conjugated Polymer Materials. ACS Applied Materials & Interfaces, 2016, 8, 1520-1526.	8.0	33
47	Electrochemical detection of methyl-paraoxon based on bifunctional cerium oxide nanozyme with catalytic activity and signal amplification effect. Journal of Pharmaceutical Analysis, 2021, 11, 653-660.	5.3	33
48	Conjugated Polymers: Optical Toolbox for Bioimaging and Cancer Therapy. Small, 2021, 17, e2103127.	10.0	31
49	Organic radical materials in biomedical applications: State of the art and perspectives. Exploration, 2022, 2, .	11.0	28
50	Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials. Chemical Communications, 2021, 57, 4902-4905.	4.1	27
51	Waterâ€Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives. Small, 2020, 16, e2004551.	10.0	26
52	An Activatable NIR Probe for the Detection and Elimination of Senescent Cells. Analytical Chemistry, 2022, 94, 5425-5431.	6.5	26
53	Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts. Photonics Research, 2020, 8, 1875.	7.0	25
54	Anchoring effects of surface chemistry on gold nanorods: modulating autophagy. Journal of Materials Chemistry B, 2015, 3, 3324-3330.	5.8	24

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55	Singleâ€Photomolecular Nanotheranostics for Synergetic Nearâ€Infrared Fluorescence and Photoacoustic Imagingâ€Guided Highly Effective Photothermal Ablation. Small, 2020, 16, e2002672.	10.0	23
56	Remote Manipulation of ROS-Sensitive Calcium Channel Using Near-Infrared-Responsive Conjugated Oligomer Nanoparticles for Enhanced Tumor Therapy In Vivo. Nano Letters, 2022, 22, 5427-5433.	9.1	23
57	Cationic Poly(pâ€phenylene vinylene) Materials as a Multifunctional Platform for Lightâ€Enhanced siRNA Delivery. Chemistry - an Asian Journal, 2016, 11, 2686-2689.	3.3	21
58	Recent Progress of Alkyl Radicals Generationâ€Based Agents for Biomedical Applications. Advanced Healthcare Materials, 2021, 10, e2100055.	7.6	21
59	Design of antibacterial peptide-like conjugated molecule with broad spectrum antimicrobial ability. Science China Chemistry, 2018, 61, 113-117.	8.2	21
60	Multi-Synergistic Removal of Low-Boiling-Point Contaminants with Efficient Carbon Aerogel-Based Solar Purifier. ACS Applied Materials & Interfaces, 2021, 13, 31624-31634.	8.0	20
61	Membraneâ€Anchoring Photosensitizer with Aggregationâ€Induced Emission Characteristics for Combating Multidrugâ€Resistant Bacteria. Angewandte Chemie, 2020, 132, 642-646.	2.0	19
62	Preparation of Reactive Oligo(pâ€Phenylene Vinylene) Materials for Spatial Profiling of the Chemical Reactivity of Intracellular Compartments. Advanced Materials, 2016, 28, 3749-3754.	21.0	18
63	Oligo(p-phenylenevinylene) Derivative-Incorporated and Enzyme-Responsive Hybrid Hydrogel for Tumor Cell-Specific Imaging and Activatable Photodynamic Therapy. ACS Biomaterials Science and Engineering, 2018, 4, 2037-2045.	5.2	17
64	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid Î² Assembly. Angewandte Chemie, 2019, 131, 6049-6054.	2.0	16
65	Waterâ€Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIRâ€II Photothermal Antiâ€Bacterial Therapy. Angewandte Chemie, 2021, 133, 11864-11868.	2.0	16
66	Bioactive Silk Fibroin-Based Hybrid Biomaterials for Musculoskeletal Engineering: Recent Progress and Perspectives. ACS Applied Bio Materials, 2021, 4, 6630-6646.	4.6	16
67	Photochemical Synthesis of Nonplanar Small Molecules with Ultrafast Nonradiative Decay for Highly Efficient Phototheranostics. Advanced Materials, 2021, 33, e2102799.	21.0	15
68	Multifunctional oligomer sponge for efficient solar water purification and oil cleanup. Journal of Materials Chemistry A, 2021, 9, 2104-2110.	10.3	11
69	Carrierâ€Free Delivery of Ultrasmall Ïâ€Conjugated Oligomer Nanoparticles with Photothermal Conversion over 80% for Cancer Theranostics. Small, 2022, 18, e2104521.	10.0	11
70	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. Angewandte Chemie, 2017, 129, 13640-13643.	2.0	10
71	Design of an Amphiphilic Perylene Diimide for Optical Recognition of Anticancer Drug through a Chiralityâ€Induced Helical Structure. Chemistry - A European Journal, 2019, 25, 9834-9839.	3.3	10
72	Superwetting B4C bilayer foam for high cost-performance solar water purification. Materials Today Energy, 2020, 18, 100498.	4.7	9

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73	ROS self-scavenging polythiophene materials for cell imaging. Polymer Chemistry, 2015, 6, 8244-8247.	3.9	7
74	Supramolecular conjugated polymer materials for organelle imaging in living cells. Materials Chemistry Frontiers, 2017, 1, 1768-1772.	5.9	7
75	AIEgen Nanoparticles of Arylamino Fumaronitrile Derivative with High Near-Infrared Emission for Two-Photon Imaging and in Vivo Cell Tracking. ACS Applied Bio Materials, 2019, 2, 430-436.	4.6	7
76	Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy. Nanoscale, 2021, 13, 8012-8016.	5.6	7
77	Terselenophene Regioisomer Conjugated Polymer Materials for High-Performance Cancer Phototheranostics. ACS Applied Materials & Interfaces, 2020, 12, 55605-55613.	8.0	4
78	Thermal and Nonthermal Effects in Plasmonâ€Mediated Electrochemistry at Nanostructured Ag Electrodes. Angewandte Chemie, 2020, 132, 6856-6859.	2.0	4
79	Protein Detection: An Optical Nanoruler Based on a Conjugated Polymerâ^'Silver Nanoprism Pair for Label-Free Protein Detection (Adv. Mater. 39/2015). Advanced Materials, 2015, 27, 6039-6039.	21.0	2
80	Regulation of excitation transitions by molecular design endowing full-color-tunable emissions with unexpected high quantum yields for bioimaging application. Science China Chemistry, 2018, 61, 418-426.	8.2	2
81	An Enhanced Photothermal Therapeutic Iridium Hybrid Platform Reversing the Tumor Hypoxic Microenvironment. Molecules, 2022, 27, 2629.	3.8	2
82	Polyelectrolyteâ€Silver Nanostructures: Conjugated Polyelectrolyteâ€“Silver Nanostructure Pair for Detection and Killing of Bacteria (Adv. Mater. Technol. 7/2017). Advanced Materials Technologies, 2017, 2, .	5.8	0
83	Titelbild: Red/Nearâ€Infrared Thermally Activated Delayed Fluorescence OLEDs with Near 100â€‰% Internal Quantum Efficiency (Angew. Chem. 41/2019). Angewandte Chemie, 2019, 131, 14529-14529.	2.0	0