

Shuo Shi

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,520
citations

156536

32
h-index

175968

55
g-index

99
all docs

99
docs citations

99
times ranked

4528
citing authors

#	ARTICLE	IF	CITATIONS
1	The novel STAT3 inhibitor WZ-2-033 causes regression of human triple-negative breast cancer and gastric cancer xenografts. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1013-1023.	2.8	12
2	Biodegradable oxygen-producing manganese-chelated metal organic frameworks for tumor-targeted synergistic chemo/photothermal/ photodynamic therapy. <i>Acta Biomaterialia</i> , 2022, 138, 463-477.	4.1	38
3	Nucleic Acid Architectonics for pH-Responsive DNA Systems and Devices. <i>ACS Omega</i> , 2022, 7, 3167-3176.	1.6	13
4	Dual-Responsive and ROS-Augmented Nanoplatform for Chemo/Photodynamic/Chemodynamic Combination Therapy of Triple Negative Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 57-68.	4.0	32
5	Carbonic anhydrase IX-targeted H-APBC nanosystem combined with phototherapy facilitates the efficacy of PI3K/mTOR inhibitor and resists HIF-1 α -dependent tumor hypoxia adaptation. <i>Journal of Nanobiotechnology</i> , 2022, 20, 187.	4.2	12
6	The Mechanisms of lncRNA-Mediated Multidrug Resistance and the Clinical Application Prospects of lncRNAs in Breast Cancer. <i>Cancers</i> , 2022, 14, 2101.	1.7	11
7	Treatment of triple negative breast cancer by near infrared light triggered mild-temperature photothermal therapy combined with oxygen-independent cytotoxic free radicals. <i>Acta Biomaterialia</i> , 2022, 148, 218-229.	4.1	18
8	A Fe(III)-porphyrin-oxaliplatin(IV) nanoplatform for enhanced ferroptosis and combined therapy. <i>Journal of Controlled Release</i> , 2022, 348, 660-671.	4.8	32
9	A PDA-DTC/Cu O /MnO $_2$ nanoplatform for MR imaging and multi-therapy for triple-negative breast cancer treatment. <i>Chemical Communications</i> , 2021, 57, 4158-4161.	2.2	14
10	An artificial intelligence process of immunoassay for multiple biomarkers based on logic gates. <i>Analyst</i> , 2021, 146, 889-895.	1.7	2
11	M2 μ -Like TAMs Function Reversal Contributes to Breast Cancer Eradication by Combination Dual Immune Checkpoint Blockade and Photothermal Therapy. <i>Small</i> , 2021, 17, e2007051.	5.2	34
12	Anti-Tumor Nanoplatforms: M2 μ -Like TAMs Function Reversal Contributes to Breast Cancer Eradication by Combination Dual Immune Checkpoint Blockade and Photothermal Therapy (<i>Small</i> 13/2021). <i>Small</i> , 2021, 17, 2170059.	5.2	1
13	Nanoparticle-Mediated siRNA Delivery and Multifunctional Modification Strategies for Effective Cancer Therapy. <i>Advanced Materials Technologies</i> , 2021, 6, 2001236.	3.0	13
14	Exploiting a New Approach to Destroy the Barrier of Tumor Microenvironment: Nano-Architecture Delivery Systems. <i>Molecules</i> , 2021, 26, 2703.	1.7	12
15	A self-amplified nanocatalytic system for achieving 10 \times chemodynamic therapy on triple negative breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 261.	4.2	10
16	Metal-Polyphenol Network Coated Prussian Blue Nanoparticles for Synergistic Ferroptosis and Apoptosis via Triggered GPX4 Inhibition and Concurrent In Situ Bleomycin Toxicification. <i>Small</i> , 2021, 17, e2103919.	5.2	41
17	Dynamic-Inspired Perspective on the Molecular Inhibitor of Tau Aggregation by Glucose Gallates Based on Human Neurons. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4162-4174.	1.7	6
18	Post-synthesis strategy to integrate porphyrinic metal-organic frameworks with CuS NPs for synergistic enhanced photo-therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 935-944.	2.9	29

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19	A Ru ^{II} Polypyridyl Alkyne Complex Based Metal-Organic Frameworks for Combined Photodynamic/Photothermal/Chemotherapy. <i>Chemistry - A European Journal</i> , 2020, 26, 1668-1675.	1.7	29
20	A multifunctional SN38-conjugated nanosystem for defeating myelosuppression and diarrhea induced by irinotecan in esophageal cancer. <i>Nanoscale</i> , 2020, 12, 21234-21247.	2.8	13
21	New Strategy for Reducing Tau Aggregation Cytologically by A Hairpinlike Molecular Inhibitor, Tannic Acid Encapsulated in Liposome. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3623-3634.	1.7	14
22	Glucose Oxidase-Related Cancer Therapies. <i>Advanced Therapeutics</i> , 2020, 3, 2000110.	1.6	42
23	Cytokine-induced killer cells-assisted tumor-targeting delivery of Her-2 monoclonal antibody-conjugated gold nanostars with NIR photosensitizer for enhanced therapy of cancer. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8368-8382.	2.9	29
24	Hepatoprotective Angelica sinensis silver nanoformulation against multidrug resistant bacteria and the integration of a multicomponent logic gate system. <i>Nanoscale</i> , 2020, 12, 19149-19158.	2.8	2
25	[Ru(phen) ₂ podppz] ²⁺ significantly inhibits glioblastoma growth <i>in vitro</i> and <i>in vivo</i> with fewer side-effects than cisplatin. <i>Dalton Transactions</i> , 2020, 49, 8864-8871.	1.6	8
26	Orientation-Inspired Perspective on Molecular Inhibitor of Tau Aggregation by Curcumin Conjugated with Ruthenium(II) Complex Scaffold. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2343-2353.	1.2	15
27	Nanotechnologies for enhancing cancer immunotherapy. <i>Nano Research</i> , 2020, 13, 2595-2616.	5.8	22
28	A Cu ₉ S ₅ nanoparticle-based CpG delivery system for synergistic photothermal-, photodynamic- and immunotherapy. <i>Communications Biology</i> , 2020, 3, 343.	2.0	29
29	Novel Combined Spectral Indices Derived from Hyperspectral and Laser-Induced Fluorescence LiDAR Spectra for Leaf Nitrogen Contents Estimation of Rice. <i>Remote Sensing</i> , 2020, 12, 185.	1.8	5
30	Bone Marrow-Derived Mesenchymal Stem Cell-Mediated Dual-Gene Therapy for Glioblastoma. <i>Human Gene Therapy</i> , 2019, 30, 106-117.	1.4	28
31	Tumor-Targeted Drug and CpG Delivery System for Phototherapy and Docetaxel-Enhanced Immunotherapy with Polarization toward M1-Type Macrophages on Triple Negative Breast Cancers. <i>Advanced Materials</i> , 2019, 31, e1904997.	11.1	238
32	A redox-activated theranostic nanoplatfrom: toward glutathione-response imaging guided enhanced-photodynamic therapy. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2865-2872.	3.0	9
33	Luminescent Ru(II)-thiol modified silver nanoparticles for lysosome targeted theranostics. <i>Dalton Transactions</i> , 2019, 48, 10393-10397.	1.6	15
34	G-quadruplex and duplex DNA binding studies of novel Ruthenium(II) complexes containing ascididemin ligands. <i>Journal of Inorganic Biochemistry</i> , 2019, 196, 110681.	1.5	17
35	Integrating <i>in situ</i> formation of nanozymes with mesoporous polydopamine for combined chemo, photothermal and hypoxia-overcoming photodynamic therapy. <i>Chemical Communications</i> , 2019, 55, 14785-14788.	2.2	44
36	Label-free molecular probe based on G-quadruplex and strand displacement for sensitive and selective detection and naked eye discrimination of exon 2 deletion of AIMP2. <i>Chemical Biology and Drug Design</i> , 2019, 93, 993-998.	1.5	3

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37	Analyzing the effect of the incidence angle on chlorophyll fluorescence intensity based on laser-induced fluorescence lidar. <i>Optics Express</i> , 2019, 27, 12541.	1.7	13
38	Regulation of multi-factors (tail/loop/link/ions) for G-quadruplex enantioselectivity of λ^+ - and λ^- -[Ru(bpy) ₂ (dppz-idzo)] ²⁺ . <i>Dalton Transactions</i> , 2018, 47, 5422-5430.	1.6	8
39	The application of time decay characteristics of laser-induced fluorescence in the classification of vegetation. <i>Luminescence</i> , 2017, 32, 17-21.	1.5	0
40	Quantitative Fluorescence Quenching on Antibody-conjugated Graphene Oxide as a Platform for Protein Sensing. <i>Scientific Reports</i> , 2017, 7, 40772.	1.6	32
41	Coordination polymer nanoparticles from nucleotide and lanthanide ions as a versatile platform for color-tunable luminescence and integrating Boolean logic operations. <i>Nanoscale</i> , 2017, 9, 9589-9597.	2.8	41
42	Integration of G-quadruplex and DNA-templated Ag NCs for nonarithmetic information processing. <i>Chemical Science</i> , 2017, 8, 4211-4222.	3.7	49
43	In-Situ Fixation of All-Inorganic Mo-Fe-S Clusters for the Highly Selective Removal of Lead(II). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32720-32726.	4.0	65
44	The characterization of plant species using first-derivative fluorescence spectra. <i>Luminescence</i> , 2017, 32, 348-352.	1.5	1
45	Potential of spectral ratio indices derived from hyperspectral LiDAR and laser-induced chlorophyll fluorescence spectra on estimating rice leaf nitrogen contents. <i>Optics Express</i> , 2017, 25, 6539.	1.7	18
46	Using Different Regression Methods to Estimate Leaf Nitrogen Content in Rice by Fusing Hyperspectral LiDAR Data and Laser-Induced Chlorophyll Fluorescence Data. <i>Remote Sensing</i> , 2016, 8, 526.	1.8	30
47	Versatile molybdenum disulfide based antibacterial composites for in vitro enhanced sterilization and in vivo focal infection therapy. <i>Nanoscale</i> , 2016, 8, 11642-11648.	2.8	117
48	[Ru(L) ₂ (3-tppp)] ²⁺ (L = bpy, phen) stabilizes two different forms of the human telomeric G-quadruplex DNA. <i>Inorganic Chemistry Communication</i> , 2016, 72, 7-12.	1.8	9
49	Use of rhenium-188 for in vivo imaging and treatment of human cervical cancer cells transfected with lentivirus expressing sodium iodide symporter. <i>Oncology Reports</i> , 2016, 36, 2289-2297.	1.2	8
50	Three label-free thrombin aptasensors based on aptamers and [Ru(bpy) ₂ (o-mopip)] ²⁺ . <i>Journal of Materials Chemistry B</i> , 2016, 4, 1361-1367.	2.9	26
51	Laser-induced fluorescence characteristics of vegetation by a new excitation wavelength. <i>Spectroscopy Letters</i> , 2016, 49, 263-267.	0.5	19
52	Ultrasensitive and universal fluorescent aptasensor for the detection of biomolecules (ATP, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T Bioelectronics, 2016, 79, 205-212.	5.3	100
53	A universal label-free fluorescent aptasensor based on Ru complex and quantum dots for adenosine, dopamine and 17 β -estradiol detection. <i>Biosensors and Bioelectronics</i> , 2016, 79, 198-204.	5.3	100
54	A RET-supported logic gate combinatorial library to enable modeling and implementation of intelligent logic functions. <i>Chemical Science</i> , 2016, 7, 1853-1861.	3.7	68

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55	Binding Behaviors for Different Types of DNA Gâ€Quadruplexes: Enantiomers of [Ru(bpy) ₂ (L)] ²⁺ (L=dppz, dppzâ€dzo). Chemistry - A European Journal, 2015, 21, 11435-11445.	1.7	40
56	Effect of the Ancillary Ligands on the Spectral Properties and Gâ€Quadruplexes DNA Binding Behavior: A Combined Experimental and Theoretical Study. Chemistry - A European Journal, 2015, 21, 13390-13400.	1.7	17
57	Vegetation identification based on characteristics of fluorescence spectral spatial distribution. RSC Advances, 2015, 5, 56932-56935.	1.7	10
58	Sensitive detection for coralyne and mercury ions based on homo-A/T DNA by exonuclease signal amplification. Biosensors and Bioelectronics, 2015, 71, 439-444.	5.3	19
59	Molecular â€light switchâ€[Ru(phen) ₂ dppzidzo] ²⁺ monitoring the aggregation of tau. Analyst, The, 2015, 140, 7513-7517.	1.7	11
60	Impacts of terminal modification of [Ru(phen) ₂ dppz] ²⁺ on the luminescence properties: a theoretical study. Dalton Transactions, 2015, 44, 19264-19274.	1.6	13
61	Cu ²⁺ modulated silver nanoclusters as an onâ€offâ€on fluorescence probe for the selective detection of l-histidine. Biosensors and Bioelectronics, 2015, 66, 103-108.	5.3	62
62	Theranostic Studies of Human Sodium Iodide Symporter Imaging and Therapy Using 188Re: A Human Glioma Study in Mice. PLoS ONE, 2014, 9, e102011.	1.1	11
63	Ultrasensitive fluorescence detection of heparin based on quantum dots and a functional ruthenium polypyridyl complex. Biosensors and Bioelectronics, 2014, 55, 174-179.	5.3	43
64	Two structurally analogous ruthenium complexes as naked-eye and reversible molecular â€light switchâ€for G-quadruplex DNA. Journal of Inorganic Biochemistry, 2014, 140, 64-71.	1.5	31
65	A label-free fluorescent probe for Hg ²⁺ and biothiols based on graphene oxide and Ru-complex. Scientific Reports, 2014, 4, 5320.	1.6	45
66	[Ru(bpy) ₂ dppz-idzo] ²⁺ : a colorimetric molecular â€light switchâ€and powerful stabilizer for G-quadruplex DNA. Dalton Transactions, 2013, 42, 5661.	1.6	59
67	Label-free fluorescent DNA biosensors based on metallointercalators and nanomaterials. Methods, 2013, 64, 305-314.	1.9	19
68	A comparative study of the interaction of two structurally analogous ruthenium complexes with human telomeric G-quadruplex DNA. Journal of Inorganic Biochemistry, 2013, 121, 19-27.	1.5	34
69	A new fluorescence â€switch onâ€assay for heparin detection by using a functional ruthenium polypyridyl complex. Analyst, The, 2013, 138, 3483.	1.7	25
70	Molecular Hairpin: A Possible Model for Inhibition of Tau Aggregation by Tannic Acid. Biochemistry, 2013, 52, 1893-1902.	1.2	41
71	Targeting Human Telomeric G-Quadruplex DNA and Inhibition of Telomerase Activity With [(dmb) ₂ Ru(obip)Ru(dmb) ₂] ⁴⁺ . PLoS ONE, 2013, 8, e84419.	1.1	14
72	Label-free fluorescent DNA sensor for the detection of silver ions based on molecular light switch Ru complex and unmodified quantum dots. Analyst, The, 2013, 138, 421-424.	1.7	29

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73	A Naked-Eye On/Off On Molecular Light Switch-Based on a Reversible Conformational Switch of G-Quadruplex DNA. <i>Inorganic Chemistry</i> , 2012, 51, 12591-12593.	1.9	65
74	[Ru(bpy) ₂ (bppp)] ²⁺ binds two different forms of the human telomeric G-quadruplex structure. <i>Inorganic Chemistry Communication</i> , 2012, 24, 212-215.	1.8	12
75	A molecular light switch Ru complex and quantum dots for the label-free, aptamer-based detection of thrombin. <i>Analyst</i> , 2012, 137, 1550.	1.7	22
76	Molecular light switch for G-quadruplex DNA: cycling the switch on and off. <i>Dalton Transactions</i> , 2012, 41, 5789.	1.6	40
77	Polypyridyl Complexes of Ruthenium(II): Stabilization of G-quadruplex DNA and Inhibition of Telomerase Activity. <i>ChemPlusChem</i> , 2012, 77, 551-562.	1.3	18
78	Cooperative folding of tau peptide by coordination of group IIB metal cations during heparin-induced aggregation. <i>BioMetals</i> , 2012, 25, 361-372.	1.8	12
79	Graphene oxide-Ru complex for label-free assay of DNA sequence and potassium ions via fluorescence resonance energy transfer. <i>Analytical Methods</i> , 2011, 3, 2472.	1.3	39
80	The Impacts of Hg(II) Tightly Binding on the Alzheimer's Tau Construct R3: Misfolding and Aggregation. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1362-1367.	2.0	5
81	Flavonoids Inhibit Heparin-Induced Aggregation of the Third Repeat (R3) of Microtubule-Binding Domain of Alzheimer's Tau Protein. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 911-922.	2.0	6
82	Molecular light switch for G-quadruplexes and i-motif of human telomeric DNA: [Ru(phen) ₂ (dppz)] ²⁺ . <i>Dalton Transactions</i> , 2010, 39, 2490.	1.6	84
83	Interaction of [Ru(bpy) ₂ (dppz)] ²⁺ with human telomeric DNA: Preferential binding to G-quadruplexes over i-motif. <i>Biochimie</i> , 2010, 92, 370-377.	1.3	108
84	Synthesis, characterization, and DNA-binding of chiral complexes and [Ru(bpy) ₂ (pyip)] ²⁺ . <i>Chirality</i> , 2009, 21, 276-283.	1.3	20
85	Synthesis, characterization, DNA-binding and DNA-photocleavage studies of [Ru(bpy) ₂ (pmip)] ²⁺ and		

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91	Experimental and theoretical studies on the DNA-binding and spectral properties of water-soluble complex $[Ru(Melm)_4(dpq)]^{2+}$. <i>Journal of Molecular Structure</i> , 2008, 881, 156-166.	1.8	68
92	A combined computational and experimental study on DNA-photocleavage of Ru(II) polypyridyl complexes $[Ru(bpy)_2(L)]^{2+}$ (L = pip, o-mopip and p-mopip). <i>Dalton Transactions</i> , 2008, , 291-301.	1.6	33
93	Promoting the Formation and Stabilization of G-Quadruplex by Dinuclear Rull Complex $Ru_2(obip)_4L_4$. <i>Inorganic Chemistry</i> , 2008, 47, 2910-2912.	1.9	79
94	Synthesis, characterization and DNA-binding of novel chiral complexes λ^3 - and λ^2 - $[Ru(bpy)_2L]^{2+}$ (L=o-mopip) <i>Tj ETQq 0 0 rgBT /Overlock</i>	1.5	146
95	Investigation on DNA Binding and Photo-Cleavage Properties of Water-Soluble Porphyrin and Metalloporphyrins. <i>Transition Metal Chemistry</i> , 2005, 30, 684-690.	0.7	6
96	Electronic effect of different positions of the NO_2 group on the DNA-intercalator of chiral complexes $[Ru(bpy)_2L]^{2+}$ (L =o-npip, m-npip and p-npip). <i>Dalton Transactions</i> , 2005, , 2038.	1.6	84
97	Synthesis, characterization and antiviral activity against influenza virus of a series of novel manganese-substituted rare earth borotungstates heteropolyoxometalates. <i>Antiviral Research</i> , 2004, 62, 65-71.	1.9	46
98	Mercury mediated DNA \rightarrow Au/Ag nanocluster ensembles to generate a gray code encoder for biocomputing. <i>Materials Horizons</i> , 0, , .	6.4	5