Shao Su

List of Publications by Citations

117	6,969	48	81
papers	citations	h-index	g-index
121	7,852	8	5.76
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
117	Self-catalyzed, self-limiting growth of glucose oxidase-mimicking gold nanoparticles. *ACS Nano*, **2010**, 4, 7451-8	16.7	416
116	General synthesis of noble metal (Au, Ag, Pd, Pt) nanocrystal modified MoS2 nanosheets and the enhanced catalytic activity of Pd-MoS2 for methanol oxidation. *Nanoscale*, **2014**, 6, 5762-9	7.7	263
115	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. *Angewandte Chemie - International Edition*, **2017**, 56, 1855-1858	16.4	248
114	Silicon nanowires-based highly-efficient SERS-active platform for ultrasensitive DNA detection. *Nano Today*, **2011**, 6, 122-130	17.9	224
113	Long-term antimicrobial effect of silicon nanowires decorated with silver nanoparticles. *Advanced Materials*, **2010**, 22, 5463-7	24	220
112	One-pot microwave synthesis of water-dispersible, ultraphoto- and pH-stable, and highly fluorescent silicon quantum dots. *Journal of the American Chemical Society*, **2011**, 133, 14192-5	16.4	216
111	Creating SERS hot spots on MoS(2) nanosheets with in situ grown gold nanoparticles. *ACS Applied Materials & Interfaces*, **2014**, 6, 18735-41	9.5	185
110	Gold nanoparticle-decorated MoS2 nanosheets for simultaneous detection of ascorbic acid, dopamine and uric acid. *RSC Advances*, **2014**, 4, 27625	3.7	180
109	Graphene-based high-efficiency surface-enhanced Raman scattering-active platform for sensitive and multiplex DNA detection. *Analytical Chemistry*, **2012**, 84, 4622-7	7.8	169
108	Recent Advances in Synthesis and Biomedical Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets. *Small*, **2017**, 13, 1602660	11	167
107	Nanomaterials-based sensors for applications in environmental monitoring. *Journal of Materials Chemistry*, **2012**, 22, 18101		160
106	DNA Hydrogel with Aptamer-Toehold-Based Recognition, Cloaking, and Decloaking of Circulating Tumor Cells for Live Cell Analysis. *Nano Letters*, **2017**, 17, 5193-5198	11.5	144
105	Gold nanoparticles-decorated silicon nanowires as highly efficient near-infrared hyperthermia agents for cancer cells destruction. *Nano Letters*, **2012**, 12, 1845-50	11.5	141
104	Direct electrochemistry of glucose oxidase and a biosensor for glucose based on a glass carbon electrode modified with MoS2 nanosheets decorated with gold nanoparticles. *Mikrochimica Acta*, **2014**, 181, 1497-1503	5.8	134
103	Dual-mode electrochemical analysis of microRNA-21 using gold nanoparticle-decorated MoS nanosheet. *Biosensors and Bioelectronics*, **2017**, 94, 552-559	11.8	130
102	Dual-Target Electrochemical Biosensing Based on DNA Structural Switching on Gold Nanoparticle-Decorated MoS2 Nanosheets. *ACS Applied Materials & Interfaces*, **2016**, 8, 6826-33	9.5	128
101	DNA-conjugated quantum dot nanoprobe for high-sensitivity fluorescent detection of DNA and micro-RNA. *ACS Applied Materials & Interfaces*, **2014**, 6, 1152-7	9.5	124

100	Water-dispersed near-infrared-emitting quantum dots of ultrasmall sizes for in vitro and in vivo imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 5695-8	16.4	118
99	Microwave-assisted synthesis of biofunctional and fluorescent silicon nanoparticles using proteins as hydrophilic ligands. *Angewandte Chemie - International Edition*, **2012**, 51, 8485-9	16.4	113
98	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. *Angewandte Chemie - International Edition*, **2017**, 56, 2171-2175	16.4	107
97	Label-Free Electrochemical Sensing Platform for MicroRNA-21 Detection Using Thionine and Gold Nanoparticles Co-Functionalized MoS Nanosheet. *ACS Applied Materials & Interfaces*, **2017**, 9, 35597-35603	9.5	104
96	Determination of dopamine in the presence of ascorbic acid by poly(styrene sulfonic acid) sodium salt/single-wall carbon nanotube film modified glassy carbon electrode. *Analytical Biochemistry*, **2006**, 350, 285-91	3.1	102
95	Highly Sensitive and Selective Determination of Dopamine in the Presence of Ascorbic Acid Using Gold Nanoparticles-Decorated MoS2 Nanosheets Modified Electrode. *Electroanalysis*, **2013**, 25, 2523-2529	3	96
94	An electrochemical sensor for pesticide assays based on carbon nanotube-enhanced acetycholinesterase activity. *Analyst, The*, **2008**, 133, 1182-6	5	94
93	Shape-controlled gold nanoparticles supported on MoS□nanosheets: synergistic effect of thionine and MoS□and their application for electrochemical label-free immunosensing. *Nanoscale*, **2015**, 7, 19129-35	7.7	93
92	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. *Analytical Chemistry*, **2016**, 88, 4949-54	7.8	90
91	Silicon nanowire-based molecular beacons for high-sensitivity and sequence-specific DNA multiplexed analysis. *ACS Nano*, **2012**, 6, 2582-90	16.7	89
90	Facile Synthesis of a MoS-Prussian Blue Nanocube Nanohybrid-Based Electrochemical Sensing Platform for Hydrogen Peroxide and Carcinoembryonic Antigen Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 12773-12781	9.5	86
89	Structural DNA nanotechnology for intelligent drug delivery. *Small*, **2014**, 10, 4626-35	11	85
88	Rapid preparation of single-layer transition metal dichalcogenide nanosheets via ultrasonication enhanced lithium intercalation. *Chemical Communications*, **2016**, 52, 529-32	5.8	84
87	A Novel Functionalized Single-Wall Carbon Nanotube Modified Electrode and Its Application in Determination of Dopamine and Uric Acid in the Presence of High Concentrations of Ascorbic Acid. *Electroanalysis*, **2007**, 19, 1695-1701	3	84
86	On-Electrode Synthesis of Shape-Controlled Hierarchical Flower-Like Gold Nanostructures for Efficient Interfacial DNA Assembly and Sensitive Electrochemical Sensing of MicroRNA. *Small*, **2016**, 12, 3794-801	11	81
85	Self-assembly of poly-adenine-tailed CpG oligonucleotide-gold nanoparticle nanoconjugates with immunostimulatory activity. *Small*, **2014**, 10, 368-75	11	79
84	A molecular beacon-based signal-off surface-enhanced Raman scattering strategy for highly sensitive, reproducible, and multiplexed DNA detection. *Small*, **2013**, 9, 2493-9, 2652	11	79
83	Probing Cellular Molecules with PolyA-Based Engineered Aptamer Nanobeacon. *ACS Applied Materials & Interfaces*, **2017**, 9, 8014-8020	9.5	77

82	Uniform Au@Pt core-shell nanodendrites supported on molybdenum disulfide nanosheets for the methanol oxidation reaction. *Nanoscale*, **2016**, 8, 602-8	7.7	77
81	Surface-enhanced Raman scattering-based sensing in vitro: facile and label-free detection of apoptotic cells at the single-cell level. *Analytical Chemistry*, **2013**, 85, 2809-16	7.8	77
80	A Surface-Confined Proton-Driven DNA Pump Using a Dynamic 3D DNA Scaffold. *Advanced Materials*, **2016**, 28, 6860-5	24	70
79	Nanostructure-based surface-enhanced Raman scattering biosensors for nucleic acids and proteins. *Journal of Materials Chemistry B*, **2016**, 4, 1757-1769	7.3	65
78	Design and applications of gold nanoparticle conjugates by exploiting biomolecule-gold nanoparticle interactions. *Nanoscale*, **2013**, 5, 2589-99	7.7	64
77	Silicon-based reproducible and active surface-enhanced Raman scattering substrates for sensitive, specific, and multiplex DNA detection. *Applied Physics Letters*, **2012**, 100, 203104	3.4	63
76	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. *Angewandte Chemie - International Edition*, **2016**, 55, 8036-40	16.4	60
75	Two-dimensional nanomaterials for biosensing applications. *TrAC - Trends in Analytical Chemistry*, **2019**, 119, 115610	14.6	59
74	Size-dependent programming of the dynamic range of graphene oxide-DNA interaction-based ion sensors. *Analytical Chemistry*, **2014**, 86, 4047-51	7.8	59
73	Highly luminescent water-dispersible silicon nanowires for long-term immunofluorescent cellular imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 3080-3	16.4	56
72	A MoS₂-based system for efficient immobilization of hemoglobin and biosensing applications. *Nanotechnology*, **2015**, 26, 274005	3.4	55
71	Recent advances in two-dimensional nanomaterials-based electrochemical sensors for environmental analysis. *Green Energy and Environment*, **2018**, 3, 97-106	5.7	55
70	Nano rolling-circle amplification for enhanced SERS hot spots in protein microarray analysis. *Analytical Chemistry*, **2012**, 84, 9139-45	7.8	54
69	Graphene oxide-assisted nucleic acids assays using conjugated polyelectrolytes-based fluorescent signal transduction. *Analytical Chemistry*, **2015**, 87, 3877-83	7.8	44
68	High-sensitivity pesticide detection via silicon nanowires-supported acetylcholinesterase-based electrochemical sensors. *Applied Physics Letters*, **2008**, 93, 023113	3.4	42
67	Target-induced conjunction of split aptamer fragments and assembly with a water-soluble conjugated polymer for improved protein detection. *ACS Applied Materials & Interfaces*, **2014**, 6, 3406-12	9.5	39
66	A silicon nanowire-based electrochemical glucose biosensor with high electrocatalytic activity and sensitivity. *Nanoscale*, **2010**, 2, 1704-7	7.7	39
65	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. *Analytical Chemistry*, **2016**, 88, 8043-9	7.8	37

64	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. *Electroanalysis*, **2015**, 27, 1062-1072	3	36
63	Intracellular MicroRNA Imaging with MoS-Supported Nonenzymatic Catassembly of DNA Hairpins. *ACS Applied Materials & Interfaces*, **2019**, 11, 20725-20733	9.5	35
62	Au nanoparticles on two-dimensional MoS nanosheets as a photoanode for efficient photoelectrochemical miRNA detection. *Analyst, The*, **2018**, 143, 1705-1712	5	35
61	Thioflavin T as an Efficient G-Quadruplex Inducer for the Highly Sensitive Detection of Thrombin Using a New F□ster Resonance Energy Transfer System. *ACS Applied Materials & Interfaces*, **2015**, 7, 16458-65	9.5	34
60	Hierarchical three-dimensional branched hematite nanorod arrays with enhanced mid-visible light absorption for high-efficiency photoelectrochemical water splitting. *Nanoscale*, **2016**, 8, 12697-701	7.7	34
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57	Improving performance of MoS2-based electrochemical sensors by decorating noble metallic nanoparticles on the surface of MoS2 nanosheet. *RSC Advances*, **2016**, 6, 76614-76620	3.7	31
56	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. *Small*, **2017**, 13, 1603991	11	30
55	Template-free synthesis of hematite photoanodes with nanostructured ATO conductive underlayer for PEC water splitting. *ACS Applied Materials & Interfaces*, **2014**, 6, 36-40	9.5	30
54	Poly-adenine-based programmable engineering of gold nanoparticles for highly regulated spherical DNAzymes. *Nanoscale*, **2015**, 7, 18671-6	7.7	29
53	Ultrasensitive analysis of carcinoembryonic antigen based on MoS-based electrochemical immunosensor with triple signal amplification. *Biosensors and Bioelectronics*, **2019**, 140, 111353	11.8	28
52	MoS2□Au@Pt nanohybrids as a sensing platform for electrochemical nonenzymatic glucose detection. *New Journal of Chemistry*, **2018**, 42, 6750-6755	3.6	28
51	Ultrasensitive detection of carcino-embryonic antigen by using novel flower-like gold nanoparticle SERS tags and SERS-active magnetic nanoparticles. *RSC Advances*, **2014**, 4, 41666-41669	3.7	28
50	Metal ion-mediated assembly of DNA nanostructures for cascade fluorescence resonance energy transfer-based fingerprint analysis. *Analytical Chemistry*, **2014**, 86, 7084-7	7.8	28
49	Hybridization chain reaction amplification for highly sensitive fluorescence detection of DNA with dextran coated microarrays. *Biosensors and Bioelectronics*, **2016**, 81, 92-96	11.8	26
48	Ordered silicon nanocones arrays for label-free DNA quantitative analysis by surface-enhanced Raman spectroscopy. *Applied Physics Letters*, **2011**, 99, 153116	3.4	26
47	Binding-induced collapse of DNA nano-assembly for naked-eye detection of ATP with plasmonic gold nanoparticles. *Biosensors and Bioelectronics*, **2015**, 65, 171-5	11.8	25

46	Hetero-assembly of gold nanoparticles on a DNA origami template. *Science China Chemistry*, **2016**, 59, 730-734	7.9	23
45	Preparation, characterization, and optical, electrochemical property research of CdS/PAM nanocomposites. *Journal of Physical Chemistry B*, **2006**, 110, 17347-52	3.4	23
44	Platinum nanoparticles supported MoS2 nanosheet for simultaneous detection of dopamine and uric acid. *Science China Chemistry*, **2016**, 59, 332-337	7.9	22
43	A Silicon Nanowire-Based Electrochemical Sensor with High Sensitivity and Electrocatalytic Activity. *Particle and Particle Systems Characterization*, **2013**, 30, 326-331	3.1	22
42	Single-Step Organization of Plasmonic Gold Metamaterials with Self-Assembled DNA Nanostructures. *Research*, **2019**, 2019, 7403580	7.8	22
41	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. *Angewandte Chemie - International Edition*, **2021**, 60, 11695-11701	16.4	22
40	Noble metal nanostructure-decorated molybdenum disulfide nanocomposites: synthesis and applications. *Journal of Materials Chemistry B*, **2018**, 6, 5323-5334	7.3	19
39	Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging. *Angewandte Chemie*, **2011**, 123, 3136-3139	3.6	19
38	Colorimetric Analysis of Carcinoembryonic Antigen Using Highly Catalytic Gold Nanoparticles-Decorated MoS Nanocomposites.. *ACS Applied Bio Materials*, **2019**, 2, 292-298	4.1	19
37	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. *Angewandte Chemie*, **2017**, 129, 2203-2207	3.6	18
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35	Encoding DNA Frameworks for Amplified Multiplexed Imaging of Intracellular microRNAs. *Analytical Chemistry*, **2021**, 93, 2226-2234	7.8	18
34	Multiple Amplified Electrochemical Detection of MicroRNA-21 Using Hierarchical Flower-like Gold Nanostructures Combined with Gold-enriched Hybridization Chain Reaction. *Electroanalysis*, **2018**, 30, 1349-1356	3	17
33	A molybdenum disulfide@Methylene Blue nanohybrid for electrochemical determination of microRNA-21, dopamine and uric acid. *Mikrochimica Acta*, **2019**, 186, 607	5.8	16
32	Water-Dispersed Near-Infrared-Emitting Quantum Dots of Ultrasmall Sizes for In Vitro and In Vivo Imaging. *Angewandte Chemie*, **2011**, 123, 5813-5816	3.6	16
31	An Improved Turn-On Aptasensor for Thrombin Detection Using Split Aptamer Fragments and Graphene Oxide. *Chinese Journal of Chemistry*, **2015**, 33, 981-986	4.9	15
30	Microwave-Assisted Synthesis of Biofunctional and Fluorescent Silicon Nanoparticles Using Proteins as Hydrophilic Ligands. *Angewandte Chemie*, **2012**, 124, 8613-8617	3.6	15
29	High peroxidase-mimicking activity of gold@platinum bimetallic nanoparticle-supported molybdenum disulfide nanohybrids for the selective colorimetric analysis of cysteine. *Chemical Communications*, **2020**, 56, 12351-12354	5.8	15

28	Cancer-Specific MicroRNA Analysis with a Nonenzymatic Nucleic Acid Circuit. *ACS Applied Materials & Interfaces*, **2019**, 11, 11220-11226	9.5	15
27	Cavity-Type DNA Origami-Based Plasmonic Nanostructures for Raman Enhancement. *ACS Applied Materials & Interfaces*, **2017**, 9, 21942-21948	9.5	13
26	Poly (3-(3-pyridyl) acrylic acid) modified glassy carbon electrode for simultaneous determination of dopamine, ascorbic acid and uric acid. *Annali Di Chimica*, **2007**, 97, 665-74		13
25	Electrochemical studies oxidation of ciprofloxacin at nano-SnO2/PVS modified electrode and its interaction with calf thymus DNA. *Frontiers in Bioscience - Landmark*, **2007**, 12, 1946-55	2.8	13
24	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. *Angewandte Chemie*, **2016**, 128, 8168-8172	3.6	13
23	A novel visible detection strategy for lysozyme based on gold nanoparticles and conjugated polymer brush. *Sensors and Actuators B: Chemical*, **2017**, 246, 78-84	8.5	12
22	Poly-adenine-mediated fluorescent spherical nucleic acid probes for live-cell imaging of endogenous tumor-related mRNA. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 1797-1807	6	11
21	Highly Sensitive Fluorometric Turn-On Detection of Lysozyme Based on a Graphene Oxide/ssDNA Assembly. *IEEE Sensors Journal*, **2017**, 17, 5431-5436	4	9
20	Ultrasensitive analysis of microRNAs with gold nanoparticle-decorated molybdenum disulfide nanohybrid-based multilayer nanoprobes. *Chemical Communications*, **2020**, 56, 9012-9015	5.8	8
19	Electrochemical Analysis of Target-Induced Hairpin-Mediated Aptamer Sensors. *ACS Applied Materials & Interfaces*, **2020**, 12, 48133-48139	9.5	7
18	Monodispersed nanoparticles of conjugated polyelectrolyte brush with high charge density for rapid, specific and label-free detection of tumor marker. *Analyst, The*, **2015**, 140, 1842-6	5	5
17	Electrochemical Studies of Oxidation of Lomefloxacin and Interaction with Calf Thymus DNA at Nano-SnO2/DHP Modified Electrode. *Electroanalysis*, **2006**, 18, 1479-1484	3	5
16	A Conjugated Polyelectrolyte with Pendant High Dense Short-Alkyl-Chain-Bridged Cationic Ions: Analyte-Induced Light-Up and Label-Free Fluorescent Sensing of Tumor Markers. *Polymers*, **2017**, 9,	4.5	3
15	A Gold-Nanoparticle-Based SERS Reporter that Rolls on DNA Origami Templates. *ChemNanoMat*, **2017**, 3, 760-763	3.5	3
14	DNA Nanostructure as Smart Carriers for Drug Delivery. *Methods in Molecular Biology*, **2017**, 1500, 121-132	1.4	3
13	A silicon-based electrochemical sensor for highly sensitive, specific, label-free and real-time DNA detection. *Nanotechnology*, **2013**, 24, 444012	3.4	3
12	A label-free electrochemical sensor for ultrasensitive microRNA-21 analysis based on the poly(l-cysteine)/MoS sensing interface. *Analyst, The*, **2021**, 146, 1663-1667	5	3
11	Colorimetric detection and efficient monitoring of a potential biomarker of lumbar disc herniation using carbon nanotube-based probe. *Science China Chemistry*, **2016**, 59, 493-496	7.9	2

10	DNA Detection: A Molecular Beacon-Based Signal-Off Surface-Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection (Small 15/2013). *Small*, **2013**, 9, 2652-2652	11	2
9	Molybdenum Disulfide-Based Nanoprobes: Preparation and Sensing Application.. *Biosensors*, **2022**, 12,	5.9	2
8	Modular DNA Circuits for Point-of-Care Colorimetric Assay of Infectious Pathogens. *Analytical Chemistry*, **2021**, 93, 13861-13869	7.8	2
7	Self-assembly of Micrometer-long DNA Nanoribbons with Four Oligonucleotides. *Chinese Journal of Chemistry*, **2015**, 33, 522-526	4.9	1
6	Direct electron transfer of Mb on chitosan/single-wall carbon nanotubes film modified Au electrode and its interaction with cimetidine. *Russian Journal of Electrochemistry*, **2008**, 44, 218-225	1.2	1
5	Prussian Blue Nanoparticle Supported MoS2 Nanocomposites as a Peroxidase-Like Nanozyme for Colorimetric Sensing of Dopamine. *Biosensors*, **2022**, 12, 260	5.9	1
4	Gold-Nanoparticle-Mediated Assembly of High-Order DNA Nano-Architectures.. *Small*, **2022**, e2200824	11	1
3	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. *Angewandte Chemie*, **2021**, 133, 11801-11807	3.6	0
2	Recent Advances of Biosensors Based on Split Aptamers in Biological Analysis: A Review. *IEEE Sensors Journal*, **2022**, 1-1	4	0
1	Direct electron transfer of Mb on chitosan/single-wall carbon nanotubes film modified Au electrode and its interaction with cimetidine **2010**, 44, 218		