

Shao Su

List of Publications by Year in Descending Order

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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.

117

papers

6,969

citations

48

h-index

81

g-index

121

ext. papers

7,852

ext. citations

8

avg, IF

5.76

L-index

#	Paper	IF	Citations
117	Molybdenum Disulfide-Based Nanoprobes: Preparation and Sensing Application.. <i>Biosensors</i> , 2022 , 12,	5.9	2
116	Prussian Blue Nanoparticle Supported MoS ₂ Nanocomposites as a Peroxidase-Like Nanozyme for Colorimetric Sensing of Dopamine. <i>Biosensors</i> , 2022 , 12, 260	5.9	1
115	Gold-Nanoparticle-Mediated Assembly of High-Order DNA Nano-Architectures.. <i>Small</i> , 2022 , e2200824	11	1
114	Recent Advances of Biosensors Based on Split Aptamers in Biological Analysis: A Review. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
113	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2021 , 133, 11801-11807	3.6	0
112	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11695-11701	16.4	22
111	Encoding DNA Frameworks for Amplified Multiplexed Imaging of Intracellular microRNAs. <i>Analytical Chemistry</i> , 2021 , 93, 2226-2234	7.8	18
110	A label-free electrochemical sensor for ultrasensitive microRNA-21 analysis based on the poly(l-cysteine)/MoS sensing interface. <i>Analyst, The</i> , 2021 , 146, 1663-1667	5	3
109	Modular DNA Circuits for Point-of-Care Colorimetric Assay of Infectious Pathogens. <i>Analytical Chemistry</i> , 2021 , 93, 13861-13869	7.8	2
108	Ultrasensitive analysis of microRNAs with gold nanoparticle-decorated molybdenum disulfide nanohybrid-based multilayer nanoprobes. <i>Chemical Communications</i> , 2020 , 56, 9012-9015	5.8	8
107	Programming Surface-Enhanced Raman Scattering of DNA Origami-templated Metamolecules. <i>Nano Letters</i> , 2020 , 20, 3155-3159	11.5	18
106	Electrochemical Analysis of Target-Induced Hairpin-Mediated Aptamer Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48133-48139	9.5	7
105	High peroxidase-mimicking activity of gold@platinum bimetallic nanoparticle-supported molybdenum disulfide nanohybrids for the selective colorimetric analysis of cysteine. <i>Chemical Communications</i> , 2020 , 56, 12351-12354	5.8	15
104	Ultrasensitive analysis of carcinoembryonic antigen based on MoS-based electrochemical immunosensor with triple signal amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 140, 111353	11.8	28
103	Intracellular MicroRNA Imaging with MoS-Supported Nonenzymatic Catassembly of DNA Hairpins. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20725-20733	9.5	35
102	A molybdenum disulfide@Methylene Blue nanohybrid for electrochemical determination of microRNA-21, dopamine and uric acid. <i>Mikrochimica Acta</i> , 2019 , 186, 607	5.8	16
101	Two-dimensional nanomaterials for biosensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115610	14.6	59

100	Single-Step Organization of Plasmonic Gold Metamaterials with Self-Assembled DNA Nanostructures. <i>Research</i> , 2019 , 2019, 7403580	7.8	22
99	Cancer-Specific MicroRNA Analysis with a Nonenzymatic Nucleic Acid Circuit. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11220-11226	9.5	15
98	Colorimetric Analysis of Carcinoembryonic Antigen Using Highly Catalytic Gold Nanoparticles-Decorated MoS Nanocomposites.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 292-298	4.1	19
97	Au nanoparticles on two-dimensional MoS nanosheets as a photoanode for efficient photoelectrochemical miRNA detection. <i>Analyst, The</i> , 2018 , 143, 1705-1712	5	35
96	Multiple Amplified Electrochemical Detection of MicroRNA-21 Using Hierarchical Flower-like Gold Nanostructures Combined with Gold-enriched Hybridization Chain Reaction. <i>Electroanalysis</i> , 2018 , 30, 1349-1356	3	17
95	MoS ₂ @Au@Pt nanohybrids as a sensing platform for electrochemical nonenzymatic glucose detection. <i>New Journal of Chemistry</i> , 2018 , 42, 6750-6755	3.6	28
94	Recent advances in two-dimensional nanomaterials-based electrochemical sensors for environmental analysis. <i>Green Energy and Environment</i> , 2018 , 3, 97-106	5.7	55
93	Noble metal nanostructure-decorated molybdenum disulfide nanocomposites: synthesis and applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5323-5334	7.3	19
92	Poly-adenine-mediated fluorescent spherical nucleic acid probes for live-cell imaging of endogenous tumor-related mRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1797-1807 ⁶	11	11
91	A novel visible detection strategy for lysozyme based on gold nanoparticles and conjugated polymer brush. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 78-84	8.5	12
90	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. <i>Angewandte Chemie</i> , 2017 , 129, 2203-2207	3.6	18
89	Clamped Hybridization Chain Reactions for the Self-Assembly of Patterned DNA Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2171-2175	16.4	107
88	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1855-1858	16.4	248
87	Probing Cellular Molecules with PolyA-Based Engineered Aptamer Nanobeacon. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8014-8020	9.5	77
86	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. <i>Small</i> , 2017 , 13, 1603991	11	30
85	Cavity-Type DNA Origami-Based Plasmonic Nanostructures for Raman Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21942-21948	9.5	13
84	Dual-mode electrochemical analysis of microRNA-21 using gold nanoparticle-decorated MoS nanosheet. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 552-559	11.8	130
83	Facile Synthesis of a MoS-Prussian Blue Nanocube Nanohybrid-Based Electrochemical Sensing Platform for Hydrogen Peroxide and Carcinoembryonic Antigen Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12773-12781	9.5	86

82	Recent Advances in Synthesis and Biomedical Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets. <i>Small</i> , 2017 , 13, 1602660	11	167
81	Label-Free Electrochemical Sensing Platform for MicroRNA-21 Detection Using Thionine and Gold Nanoparticles Co-Functionalized MoS Nanosheet. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35597-35603 ^{95,104}		
80	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. <i>Polymers</i> , 2017 , 9,	4.5	3
79	A Gold-Nanoparticle-Based SERS Reporter that Rolls on DNA Origami Templates. <i>ChemNanoMat</i> , 2017 , 3, 760-763	3.5	3
78	DNA Hydrogel with Aptamer-Toehold-Based Recognition, Cloaking, and Decloaking of Circulating Tumor Cells for Live Cell Analysis. <i>Nano Letters</i> , 2017 , 17, 5193-5198	11.5	144
77	Highly Sensitive Fluorometric Turn-On Detection of Lysozyme Based on a Graphene Oxide/ssDNA Assembly. <i>IEEE Sensors Journal</i> , 2017 , 17, 5431-5436	4	9
76	DNA Nanostructure as Smart Carriers for Drug Delivery. <i>Methods in Molecular Biology</i> , 2017 , 1500, 121-132	3	
75	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. <i>Analytical Chemistry</i> , 2016 , 88, 8043-9	7.8	37
74	Colorimetric detection and efficient monitoring of a potential biomarker of lumbar disc herniation using carbon nanotube-based probe. <i>Science China Chemistry</i> , 2016 , 59, 493-496	7.9	2
73	Hierarchical three-dimensional branched hematite nanorod arrays with enhanced mid-visible light absorption for high-efficiency photoelectrochemical water splitting. <i>Nanoscale</i> , 2016 , 8, 12697-701	7.7	34
72	Hetero-assembly of gold nanoparticles on a DNA origami template. <i>Science China Chemistry</i> , 2016 , 59, 730-734	7.9	23
71	Nanostructure-based surface-enhanced Raman scattering biosensors for nucleic acids and proteins. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1757-1769	7.3	65
70	Hybridization chain reaction amplification for highly sensitive fluorescence detection of DNA with dextran coated microarrays. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 92-96	11.8	26
69	Uniform Au@Pt core-shell nanodendrites supported on molybdenum disulfide nanosheets for the methanol oxidation reaction. <i>Nanoscale</i> , 2016 , 8, 602-8	7.7	77
68	Platinum nanoparticles supported MoS ₂ nanosheet for simultaneous detection of dopamine and uric acid. <i>Science China Chemistry</i> , 2016 , 59, 332-337	7.9	22
67	Rapid preparation of single-layer transition metal dichalcogenide nanosheets via ultrasonication enhanced lithium intercalation. <i>Chemical Communications</i> , 2016 , 52, 529-32	5.8	84
66	On-Electrode Synthesis of Shape-Controlled Hierarchical Flower-Like Gold Nanostructures for Efficient Interfacial DNA Assembly and Sensitive Electrochemical Sensing of MicroRNA. <i>Small</i> , 2016 , 12, 3794-801	11	81
65	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. <i>Angewandte Chemie</i> , 2016 , 128, 8168-8172	3.6	13

64	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8036-40	16.4	60
63	A Surface-Confining Proton-Driven DNA Pump Using a Dynamic 3D DNA Scaffold. <i>Advanced Materials</i> , 2016 , 28, 6860-5	24	70
62	Dual-Target Electrochemical Biosensing Based on DNA Structural Switching on Gold Nanoparticle-Decorated MoS ₂ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6826-33	9.5	128
61	PolyA-Mediated DNA Assembly on Gold Nanoparticles for Thermodynamically Favorable and Rapid Hybridization Analysis. <i>Analytical Chemistry</i> , 2016 , 88, 4949-54	7.8	90
60	Improving performance of MoS ₂ -based electrochemical sensors by decorating noble metallic nanoparticles on the surface of MoS ₂ nanosheet. <i>RSC Advances</i> , 2016 , 6, 76614-76620	3.7	31
59	A MoS ₂ based system for efficient immobilization of hemoglobin and biosensing applications. <i>Nanotechnology</i> , 2015 , 26, 274005	3.4	55
58	Thioflavin T as an Efficient G-Quadruplex Inducer for the Highly Sensitive Detection of Thrombin Using a New Filter Resonance Energy Transfer System. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16458-65	9.5	34
57	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. <i>Electroanalysis</i> , 2015 , 27, 1062-1072	36	
56	Crystallinity Engineering of Hematite Nanorods for High-Efficiency Photoelectrochemical Water Splitting. <i>Advanced Science</i> , 2015 , 2, 1500005	13.6	31
55	Graphene oxide-assisted nucleic acids assays using conjugated polyelectrolytes-based fluorescent signal transduction. <i>Analytical Chemistry</i> , 2015 , 87, 3877-83	7.8	44
54	Shape-controlled gold nanoparticles supported on MoS ₂ nanosheets: synergistic effect of thionine and MoS ₂ and their application for electrochemical label-free immunosensing. <i>Nanoscale</i> , 2015 , 7, 19129-37	7.7	93
53	Polyadenine-based programmable engineering of gold nanoparticles for highly regulated spherical DNAzymes. <i>Nanoscale</i> , 2015 , 7, 18671-6	7.7	29
52	Binding-induced collapse of DNA nano-assembly for naked-eye detection of ATP with plasmonic gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 171-5	11.8	25
51	Self-assembly of Micrometer-long DNA Nanoribbons with Four Oligonucleotides. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 522-526	4.9	1
50	An Improved Turn-On Aptasensor for Thrombin Detection Using Split Aptamer Fragments and Graphene Oxide. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 981-986	4.9	15
49	Monodispersed nanoparticles of conjugated polyelectrolyte brush with high charge density for rapid, specific and label-free detection of tumor marker. <i>Analyst, The</i> , 2015 , 140, 1842-6	5	5
48	Direct electrochemistry of glucose oxidase and a biosensor for glucose based on a glass carbon electrode modified with MoS ₂ nanosheets decorated with gold nanoparticles. <i>Mikrochimica Acta</i> , 2014 , 181, 1497-1503	5.8	134
47	General synthesis of noble metal (Au, Ag, Pd, Pt) nanocrystal modified MoS ₂ nanosheets and the enhanced catalytic activity of Pd-MoS ₂ for methanol oxidation. <i>Nanoscale</i> , 2014 , 6, 5762-9	7.7	263

46	Ultrasensitive detection of carcino-embryonic antigen by using novel flower-like gold nanoparticle SERS tags and SERS-active magnetic nanoparticles. <i>RSC Advances</i> , 2014 , 4, 41666-41669	3.7	28
45	Metal ion-mediated assembly of DNA nanostructures for cascade fluorescence resonance energy transfer-based fingerprint analysis. <i>Analytical Chemistry</i> , 2014 , 86, 7084-7	7.8	28
44	Creating SERS hot spots on MoS(2) nanosheets with in situ grown gold nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18735-41	9.5	185
43	Gold nanoparticle-decorated MoS ₂ nanosheets for simultaneous detection of ascorbic acid, dopamine and uric acid. <i>RSC Advances</i> , 2014 , 4, 27625	3.7	180
42	Target-induced conjunction of split aptamer fragments and assembly with a water-soluble conjugated polymer for improved protein detection. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3406-12	9.5	39
41	Template-free synthesis of hematite photoanodes with nanostructured ATO conductive underlayer for PEC water splitting. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 36-40	9.5	30
40	Size-dependent programming of the dynamic range of graphene oxide-DNA interaction-based ion sensors. <i>Analytical Chemistry</i> , 2014 , 86, 4047-51	7.8	59
39	Synthesis of novel gold mesoflowers as SERS tags for immunoassay with improved sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21842-50	9.5	32
38	Structural DNA nanotechnology for intelligent drug delivery. <i>Small</i> , 2014 , 10, 4626-35	11	85
37	DNA-conjugated quantum dot nanoprobe for high-sensitivity fluorescent detection of DNA and micro-RNA. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1152-7	9.5	124
36	Self-assembly of poly-adenine-tailed CpG oligonucleotide-gold nanoparticle nanoconjugates with immunostimulatory activity. <i>Small</i> , 2014 , 10, 368-75	11	79
35	DNA Detection: A Molecular Beacon-Based Signal-Off Surface-Enhanced Raman Scattering Strategy for Highly Sensitive, Reproducible, and Multiplexed DNA Detection (Small 15/2013). <i>Small</i> , 2013 , 9, 2652 ¹¹ -2652 ²		
34	Highly Sensitive and Selective Determination of Dopamine in the Presence of Ascorbic Acid Using Gold Nanoparticles-Decorated MoS ₂ Nanosheets Modified Electrode. <i>Electroanalysis</i> , 2013 , 25, 2523-2529 ³		96
33	Design and applications of gold nanoparticle conjugates by exploiting biomolecule-gold nanoparticle interactions. <i>Nanoscale</i> , 2013 , 5, 2589-99	7.7	64
32	A Silicon Nanowire-Based Electrochemical Sensor with High Sensitivity and Electrocatalytic Activity. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 326-331	3.1	22
31	A molecular beacon-based signal-off surface-enhanced Raman scattering strategy for highly sensitive, reproducible, and multiplexed DNA detection. <i>Small</i> , 2013 , 9, 2493-9, 2652	11	79
30	Surface-enhanced Raman scattering-based sensing in vitro: facile and label-free detection of apoptotic cells at the single-cell level. <i>Analytical Chemistry</i> , 2013 , 85, 2809-16	7.8	77
29	A silicon-based electrochemical sensor for highly sensitive, specific, label-free and real-time DNA detection. <i>Nanotechnology</i> , 2013 , 24, 444012	3.4	3

28	Gold nanoparticles-decorated silicon nanowires as highly efficient near-infrared hyperthermia agents for cancer cells destruction. <i>Nano Letters</i> , 2012 , 12, 1845-50	11.5	141
27	Nano rolling-circle amplification for enhanced SERS hot spots in protein microarray analysis. <i>Analytical Chemistry</i> , 2012 , 84, 9139-45	7.8	54
26	Silicon-based reproducible and active surface-enhanced Raman scattering substrates for sensitive, specific, and multiplex DNA detection. <i>Applied Physics Letters</i> , 2012 , 100, 203104	3.4	63
25	Silicon nanowire-based molecular beacons for high-sensitivity and sequence-specific DNA multiplexed analysis. <i>ACS Nano</i> , 2012 , 6, 2582-90	16.7	89
24	Graphene-based high-efficiency surface-enhanced Raman scattering-active platform for sensitive and multiplex DNA detection. <i>Analytical Chemistry</i> , 2012 , 84, 4622-7	7.8	169
23	Microwave-Assisted Synthesis of Biofunctional and Fluorescent Silicon Nanoparticles Using Proteins as Hydrophilic Ligands. <i>Angewandte Chemie</i> , 2012 , 124, 8613-8617	3.6	15
22	Microwave-assisted synthesis of biofunctional and fluorescent silicon nanoparticles using proteins as hydrophilic ligands. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8485-9	16.4	113
21	Nanomaterials-based sensors for applications in environmental monitoring. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18101	160	
20	One-pot microwave synthesis of water-dispersible, ultraphoto- and pH-stable, and highly fluorescent silicon quantum dots. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14192-5	16.4	216
19	Ordered silicon nanocones arrays for label-free DNA quantitative analysis by surface-enhanced Raman spectroscopy. <i>Applied Physics Letters</i> , 2011 , 99, 153116	3.4	26
18	Water-Dispersed Near-Infrared-Emitting Quantum Dots of Ultrasmall Sizes for In Vitro and In Vivo Imaging. <i>Angewandte Chemie</i> , 2011 , 123, 5813-5816	3.6	16
17	Highly Luminescent Water-Dispersible Silicon Nanowires for Long-Term Immunofluorescent Cellular Imaging. <i>Angewandte Chemie</i> , 2011 , 123, 3136-3139	3.6	19
16	Water-dispersed near-infrared-emitting quantum dots of ultrasmall sizes for in vitro and in vivo imaging. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5695-8	16.4	118
15	Highly luminescent water-dispersible silicon nanowires for long-term immunofluorescent cellular imaging. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3080-3	16.4	56
14	Silicon nanowires-based highly-efficient SERS-active platform for ultrasensitive DNA detection. <i>Nano Today</i> , 2011 , 6, 122-130	17.9	224
13	Self-catalyzed, self-limiting growth of glucose oxidase-mimicking gold nanoparticles. <i>ACS Nano</i> , 2010 , 4, 7451-8	16.7	416
12	A silicon nanowire-based electrochemical glucose biosensor with high electrocatalytic activity and sensitivity. <i>Nanoscale</i> , 2010 , 2, 1704-7	7.7	39
11	Long-term antimicrobial effect of silicon nanowires decorated with silver nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 5463-7	24	220

10	Direct electron transfer of Mb on chitosan/single-wall carbon nanotubes film modified Au electrode and its interaction with cimetidine 2010 , 44, 218		
9	High-sensitivity pesticide detection via silicon nanowires-supported acetylcholinesterase-based electrochemical sensors. <i>Applied Physics Letters</i> , 2008 , 93, 023113	3.4	42
8	An electrochemical sensor for pesticide assays based on carbon nanotube-enhanced acetylcholinesterase activity. <i>Analyst, The</i> , 2008 , 133, 1182-6	5	94
7	Direct electron transfer of Mb on chitosan/single-wall carbon nanotubes film modified Au electrode and its interaction with cimetidine. <i>Russian Journal of Electrochemistry</i> , 2008 , 44, 218-225	1.2	1
6	Poly (3-(3-pyridyl) acrylic acid) modified glassy carbon electrode for simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Annali Di Chimica</i> , 2007 , 97, 665-74		13
5	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. <i>Electroanalysis</i> , 2007 , 19, 1695-1701	3	84
4	Electrochemical studies oxidation of ciprofloxacin at nano-SnO ₂ /PVS modified electrode and its interaction with calf thymus DNA. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 1946-55	2.8	13
3	Electrochemical Studies of Oxidation of Lomefloxacin and Interaction with Calf Thymus DNA at Nano-SnO ₂ /DHP Modified Electrode. <i>Electroanalysis</i> , 2006 , 18, 1479-1484	3	5
2	Preparation, characterization, and optical, electrochemical property research of CdS/PAM nanocomposites. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17347-52	3.4	23
1	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. <i>Analytical Biochemistry</i> , 2006 , 350, 285-91	3.1	102