List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models. Redox Biology, 2022, 51, 102280.	3.9	41
2	Simultaneous and multiplex detection of exosomal microRNAs based on the asymmetric Au@Au@Ag probes with enhanced Raman signal. Chinese Chemical Letters, 2022, 33, 3183-3187.	4.8	11
3	Rapid and ultrasensitive detection of food contaminants using surface-enhanced Raman spectroscopy-based methods. Critical Reviews in Food Science and Nutrition, 2021, 61, 3555-3568.	5.4	36
4	Natural protein-templated fluorescent gold nanoclusters: Syntheses and applications. Food Chemistry, 2021, 335, 127657.	4.2	47
5	Amyloid-β oligomer targeted theranostic probes for in vivo NIR imaging and inhibition of self-aggregation and amyloid-β induced ROS generation. Talanta, 2021, 224, 121830.	2.9	33
6	Multimodal Theranostic Cyanine-Conjugated Gadolinium(III) Complex for <i>In Vivo</i> Imaging of Amyloid-β in an Alzheimer's Disease Mouse Model. ACS Applied Materials & Interfaces, 2021, 13, 18525-18532.	4.0	30
7	Saccharideâ€Functionalized Poly(Znâ€salphen)―alt â€( m ―and p―phenyleneethynylene)s as Dynamic Helical Metallopolymers. Angewandte Chemie - International Edition, 2021, , .	7.2	1
8	Direct and sensitive detection of circulating miRNA in human serum by ligase-mediated amplification. Talanta, 2020, 206, 120217.	2.9	18
9	Three-way junction-promoted recycling amplification for sensitive DNA detection using highly bright DNA-silver nanocluster as label-free output. Talanta, 2020, 206, 120216.	2.9	15
10	Paper sensor of curcumin by fluorescence resonance energy transfer on nitrogen-doped carbon quantum dot. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117538.	2.0	19
11	Label-free probes using DNA-templated silver nanoclusters as versatile reporters. Biosensors and Bioelectronics, 2020, 150, 111926.	5.3	48
12	A sandwich-type surface-enhanced Raman scattering sensor using dual aptamers and gold nanoparticles for the detection of tumor extracellular vesicles. Analyst, The, 2020, 145, 6232-6236.	1.7	11
13	Deep Red Blinking Fluorophore for Nanoscopic Imaging and Inhibition of β-Amyloid Peptide Fibrillation. ACS Nano, 2020, 14, 11341-11351.	7.3	23
14	A simple, sensitive and non-enzymatic signal amplification strategy driven by seesaw gate. Analytica Chimica Acta, 2020, 1108, 160-166.	2.6	2
15	DNA-Hairpin-Templated Silver Nanoclusters: A Study on Stem Sequence. Journal of Physical Chemistry B, 2020, 124, 1592-1601.	1.2	11
16	Amyloidâ€Î² Oligomerâ€Targeted Gadoliniumâ€Based NIR/MR Dualâ€Modal Theranostic Nanoprobe for Alzheimer's Disease. Advanced Functional Materials, 2020, 30, 1909529.	7.8	31
17	Cognitive improvement and synaptic deficit attenuation by a multifunctional carbazole-based cyanine in AD mice model through regulation of Ca2+/CaMKII/CREB signaling pathway. Experimental Neurology, 2020, 327, 113210.	2.0	8
18	A fast detection of peroxynitrite in living cells. Analytica Chimica Acta, 2020, 1106, 96-102.	2.6	24

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19	A fluorometric assay of thrombin using magnetic nanoparticles and enzyme-free hybridization chain reaction. Mikrochimica Acta, 2020, 187, 295.	2.5	10
20	Betaâ€Amyloid Oligomers: Amyloidâ€Ĵ² Oligomerâ€Targeted Gadoliniumâ€Based NIR/MR Dualâ€Modal Theranost Nanoprobe for Alzheimer's Disease (Adv. Funct. Mater. 16/2020). Advanced Functional Materials, 2020, 30, 2070101.	ic 7.8	5
21	DNA-silver nanocluster probe for norovirus RNA detection based on changes in secondary structure of nucleic acids. Analytical Biochemistry, 2019, 583, 113365.	1.1	23
22	A sodium citrate-modified-PEDOT:PSS hole transporting layer for performance enhancement in inverted planar perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 5260-5266.	2.7	54
23	Highly sensitive quantification of Alzheimer's disease biomarkers by aptamer-assisted amplification. Theranostics, 2019, 9, 2939-2949.	4.6	44
24	Total internal reflection-based single-vesicle in situ quantitative and stoichiometric analysis of tumor-derived exosomal microRNAs for diagnosis and treatment monitoring. Theranostics, 2019, 9, 4494-4507.	4.6	77
25	Dual sensing reporter system of assembled gold nanoparticles toward the sequential colorimetric detection of adenosine and Cr(III). Talanta, 2019, 204, 294-303.	2.9	12
26	Direct immunomagnetic detection of low abundance cardiac biomarker by aptamer DNA nanocomplex. Sensors and Actuators B: Chemical, 2019, 291, 200-206.	4.0	9
27	Tuning the pKa of two-photon bis-chromophoric probes for ratiometric fluorescence imaging of acidic pH in lysosomes. Talanta, 2019, 202, 34-41.	2.9	18
28	Enzyme free glucose sensing by amino-functionalized silicon quantum dot. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 303-309.	2.0	21
29	Versatile fluorescent probes for near-infrared imaging of amyloid-β species in Alzheimer's disease mouse model. Journal of Materials Chemistry B, 2019, 7, 1986-1995.	2.9	38
30	Molecular-Recognition-Based DNA Nanodevices for Enhancing the Direct Visualization and Quantification of Single Vesicles of Tumor Exosomes in Plasma Microsamples. Analytical Chemistry, 2019, 91, 2768-2775.	3.2	69
31	Detecting the adulteration of antihypertensive health food using G-insertion enhanced fluorescent DNA-AgNCs. Sensors and Actuators B: Chemical, 2019, 281, 493-498.	4.0	19
32	Amyloid-β Aggregation Inhibitory and Neuroprotective Effects of Xanthohumol and its Derivatives for Alzheimer's Diseases. Current Alzheimer Research, 2019, 16, 836-842.	0.7	11
33	Enzyme-free quantification of exosomal microRNA by the target-triggered assembly of the polymer DNAzyme nanostructure. Analyst, The, 2018, 143, 813-816.	1.7	26
34	Homogeneous Immunosorbent Assay Based on Single-Particle Enumeration Using Upconversion Nanoparticles for the Sensitive Detection of Cancer Biomarkers. Analytical Chemistry, 2018, 90, 4807-4814.	3.2	101
35	Recent progress in live cell mRNA/microRNA imaging probes based on smart and versatile nanomaterials. Journal of Materials Chemistry B, 2018, 6, 7773-7793.	2.9	25
36	The light-up fluorescence of AgNCs in a "DNA bulb― Nanoscale, 2018, 10, 11517-11523.	2.8	18

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37	The morphology and surface charge-dependent cellular uptake efficiency of upconversion nanostructures revealed by single-particle optical microscopy. Chemical Science, 2018, 9, 5260-5269.	3.7	91
38	Effective Theranostic Cyanine for Imaging of Amyloid Species in Vivo and Cognitive Improvements in Mouse Model. ACS Omega, 2018, 3, 6812-6819.	1.6	28
39	A Zero Cross-Talk Ratiometric Two-Photon Probe for Imaging of Acid pH in Living Cells and Tissues and Early Detection of Tumor in Mouse Model. Analytical Chemistry, 2018, 90, 8800-8806.	3.2	41
40	Bioimaging: Dualâ€Modal NIRâ€Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloidâ€Î² Species In Vivo (Small 28/2018). Small, 2018, 14, 1870130.	5.2	13
41	Silica nanoparticles induce neurodegeneration-like changes in behavior, neuropathology, and affect synapse through MAPK activation. Particle and Fibre Toxicology, 2018, 15, 28.	2.8	66
42	Dualâ€Modal NIRâ€Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloidâ€Î² Species In Vivo. Small, 2018, 14, e1800901.	5.2	38
43	A smart ZnO@polydopamine-nucleic acid nanosystem for ultrasensitive live cell mRNA imaging by the target-triggered intracellular self-assembly of active DNAzyme nanostructures. Chemical Science, 2017, 8, 2832-2840.	3.7	87
44	Ultra-sensitive detection of protein biomarkers for diagnosis of Alzheimer's disease. Chemical Science, 2017, 8, 4012-4018.	3.7	44
45	Fluoro-substituted cyanine for reliable <i>in vivo</i> labelling of amyloid-β oligomers and neuroprotection against amyloid-β induced toxicity. Chemical Science, 2017, 8, 8279-8284.	3.7	54
46	Glutathioneâ€Activatable and O <sub>2</sub> /Mn <sup>2+</sup> â€Evolving Nanocomposite for Highly Efficient and Selective Photodynamic and Geneâ€Silencing Dual Therapy. Advanced Functional Materials, 2017, 27, 1704089.	7.8	102
47	Temperature responsive fluorescent polymer nanoparticles (TRFNPs) for cellular imaging and controlled releasing of drug to living cells. Colloids and Surfaces B: Biointerfaces, 2017, 159, 905-912.	2.5	18
48	A theranostic agent for inÂvivo near-infrared imaging of β-amyloid species and inhibition of β-amyloid aggregation. Biomaterials, 2016, 94, 84-92.	5.7	79
49	Self-Assembled Fluorescent Bovine Serum Albumin Nanoprobes for Ratiometric pH Measurement inside Living Cells. ACS Applied Materials & Interfaces, 2016, 8, 9629-9634.	4.0	47
50	Quantification of Cancer Biomarkers in Serum Using Scattering-Based Quantitative Single Particle Intensity Measurement with a Dark-Field Microscope. Analytical Chemistry, 2016, 88, 8849-8856.	3.2	81
51	FRET-based modified graphene quantum dots for direct trypsin quantification in urine. Analytica Chimica Acta, 2016, 917, 64-70.	2.6	64
52	Direct and multiplex quantification of protein biomarkers in serum samples using an immuno-magnetic platform. Chemical Science, 2016, 7, 2695-2700.	3.7	27
53	Inhibition of Beta-Amyloid Fibrillation by Luminescent Iridium(III) Complex Probes. Scientific Reports, 2015, 5, 14619.	1.6	35
54	Inhibition of β-Amyloid Aggregation by Albiflorin, Aloeemodin and Neohesperidin and their Neuroprotective Effect on Primary Hippocampal Cells Against β-Amyloid Induced Toxicity. Current Alzheimer Research, 2015, 12, 424-433.	0.7	44

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55	Investigation of retinoic acid induced phenotype of neuroblastoma cells. , 2014, , .		0
56	Direct detection of prostate specific antigen by darkfield microscopy using single immunotargeting silver nanoparticle. Sensors and Actuators B: Chemical, 2014, 190, 737-744.	4.0	27
57	Self-assembling protein platform for direct quantification of circulating microRNAs in serum with total internal reflection fluorescence microscopy. Analytica Chimica Acta, 2014, 823, 61-68.	2.6	14
58	Direct Quantification of Circulating MiRNAs in Different Stages of Nasopharyngeal Cancerous Serum Samples in Single Molecule Level with Total Internal Reflection Fluorescence Microscopy. Analytical Chemistry, 2014, 86, 9880-9886.	3.2	34
59	Investigating dynamic structural and mechanical changes of neuroblastoma cells associated with glutamate-mediated neurodegeneration. Scientific Reports, 2014, 4, 7074.	1.6	58
60	Monitoring of DNA–protein interaction with single gold nanoparticles by localized scattering plasmon resonance spectroscopy. Methods, 2013, 64, 331-337.	1.9	12
61	N-Acetyl-l-cysteine capped quantum dots offer neuronal cell protection by inhibiting beta (1–40) amyloid fibrillation. Biomaterials Science, 2013, 1, 577.	2.6	5
62	Study of morphological changes of neuroblastoma cells induced by activation of NMDA receptor. , 2013, , .		0
63	Folate-conjugated Fe3O4@SiO2@gold nanorods@mesoporous SiO2 hybrid nanomaterial: a theranostic agent for magnetic resonance imaging and photothermal therapy. Journal of Materials Chemistry B, 2013, 1, 2934.	2.9	72
64	Investigation of N-methyl-D-aspartate induced mechanical behavior of neuroblastoma cells using atomic force microscopy. , 2013, , .		0
65	Effect of surface-functionalized nanoparticles on the elongation phase of beta-amyloid (1–40) fibrillogenesis. Biomaterials, 2012, 33, 4443-4450.	5.7	63
66	Inhibition of Betaâ€Amyloid Peptide Aggregation by Multifunctional Carbazoleâ€Based Fluorophores. Angewandte Chemie - International Edition, 2012, 51, 1804-1810.	7.2	110
67	Group 9 metal-based inhibitors of β-amyloid (1–40) fibrillation as potential therapeutic agents for Alzheimer's disease. Chemical Science, 2011, 2, 917.	3.7	128
68	Inhibition of beta 1–40 amyloid fibrillation with N-acetyl-l-cysteine capped quantum dots. Biomaterials, 2010, 31, 91-98.	5.7	131
69	Direct Quantification of Single-Molecules of MicroRNA by Total Internal Reflection Fluorescence Microscopy. Analytical Chemistry, 2010, 82, 6911-6918.	3.2	74
70	Rate of Mixing Controls Rate and Outcome of Autocatalytic Processes: Theory and Microfluidic Experiments with Chemical Reactions and Blood Coagulation. Biophysical Journal, 2008, 95, 1531-1543.	0.2	30
71	Attachment of Cells to Islands Presenting Gradients of Adhesion Ligands. Journal of the American Chemical Society, 2007, 129, 8966-8967.	6.6	62
72	Mobility-Based Wall Adsorption Isotherms for Comparing Capillary Electrophoresis with Single-Molecule Observations. Analytical Chemistry, 2007, 79, 6047-6054.	3.2	44

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73	Adsorption of single DNA molecules at the water/fused-silica interface. Journal of Chromatography A, 2007, 1150, 259-266.	1.8	36
74	Synthesis, structure and dioxygen reactivity of a bis(µ-iodo)dicopper(i) complex supported by the [N-(3,5-di-tert-butyl-2-hydroxybenzyl)-N,N-di-(2-pyridylmethyl)]amine ligand. Dalton Transactions, 2006, , 2232-2243.	1.6	11
75	Single Molecule Adsorption at Compositionally Patterned Self-Assembled Monolayers on Gold:Â Role of Domain Boundaries. Langmuir, 2006, 22, 4244-4249.	1.6	11
76	Fabrication of Optically Transparent Carbon Electrodes by the Pyrolysis of Photoresist Films: Approach to Single-Molecule Spectroelectrochemistry. Analytical Chemistry, 2006, 78, 2816-2822.	3.2	68
77	Real-time dynamics of label-free single mast cell granules revealed by differential interference contrast microscopy. Analytical and Bioanalytical Chemistry, 2006, 387, 63-69.	1.9	9
78	Single-molecule dynamics of conformational changes in flavin adenine dinucleotide. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 73-79.	2.0	7
79	Synthesis of Group 14 Metal Enamido, Alkenyl, Imido and Alkenyl-Amido Complexes from a Monoanionic Pyridyl-1-azaallyl Ligand. European Journal of Inorganic Chemistry, 2005, 2005, 513-521.	1.0	32
80	High-Throughput Single-Cell Fluorescence Spectroscopy. Applied Spectroscopy, 2005, 59, 221-226.	1.2	25
81	Synthesis and characterization of meso-ferrocenylethynyl 5,15-diphenylporphyrins. Journal of Organometallic Chemistry, 2004, 689, 1593-1598.	0.8	29
82	Manipulation of Single DNA Molecules via Lateral Focusing in a PDMS/Glass Microchannelâ€. Journal of Physical Chemistry B, 2004, 108, 10357-10362.	1.2	10
83	Synthesis, Structural Characterization, and Reactivity of Rare-Earth Complexes Derived from A New Phosphorus-Bridged Versatile Ligand, iPr2NP(C9H7)(C2B10H11). Organometallics, 2004, 23, 875-885.	1.1	48
84	Sidearm Effects. Synthesis, Structural Characterization, and Reactivity of Rare Earth Complexes Incorporating a Linked Carboranyl-Indenyl Ligand with a Tethered Oxygen Atom§. Organometallics, 2004, 23, 2469-2478.	1.1	42
85	Sidearm Effects. Synthesis, Structural Characterization, and Reactivity of Lanthanides Incorporating a Linked Carboranyl-Indenyl Ligand with a Tethered Amine Group. Organometallics, 2004, 23, 3780-3787.	1.1	39
86	Single-molecule spectroscopy for molecular identification in capillary electrophoresis. Journal of Chromatography A, 2004, 1053, 173-179.	1.8	5
87	Isolation and characterization of R-phycoerythrin subunits and enzymatic digests. Journal of Chromatography A, 2004, 1051, 119-130.	1.8	14
88	Synthesis, Structure, and Bonding of a Zirconocene-1,2-Dehydro-o-carborane Complex. Angewandte Chemie - International Edition, 2003, 42, 4347-4349.	7.2	48
89	Cerium(III) and Neodymium(III) Amides Derived from a Chelating 2-Pyridyl Amido Ligand. Inorganic Chemistry, 2003, 42, 2824-2826.	1.9	22
90	Multiple Insertion of Unsaturated Molecules into the Zrâ^'N Bonds of [η5:Ïf-Me2A(C9H6)(C2B10H10)]Zr(NMe2)2(A = C, Si). Organometallics, 2003, 22, 4522-4531.	1.1	55

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91	Tuning the Valence of the Cerium Center in (Na)phthalocyaninato and Porphyrinato Cerium Double-Deckers by Changing the Nature of the Tetrapyrrole Ligands. Journal of the American Chemical Society, 2003, 125, 12257-12267.	6.6	158
92	Synthesis and structural characterisation of low-valent Group 14 metal complexes containing tridentate 2,6-pyridyl-bridged bis(1-azaallyl) ligands. Dalton Transactions, 2003, , 1505-1508.	1.6	4
93	Synthesis and structural characterisation of divalent transition metal complexes containing an unsymmetrical benzamidinate ligand. New Journal of Chemistry, 2003, 27, 1310-1318.	1.4	25
94	Synthesis, Structural Characterization, and Reactivity of Lanthanacarboranes Incorporating "Carbons-Adjacentâ€nido- andarachno-Carborane Anions of the C2B10System. Organometallics, 2002, 21, 3464-3470.	1.1	28
95	Unexpected Intramolecular Oxidative Addition:Â Novel Synthetic Route to High-Valent Group 4 Metallacarboranes Bearing al·6- orl·7-Carboranyl Ligand. Organometallics, 2002, 21, 3311-3313.	1.1	31
96	Synthesis, Structural Characterization, and Reactivity of Organolanthanide Complexes Derived from a New, Versatile Boron-Bridged Ligand, iPr2NB(C9H7)(C2B10H11). Organometallics, 2002, 21, 1136-1145.	1.1	61
97	Synthesis, Structural Characterization, and Reactivity of â€~Carbons-Adjacent'nido- andarachno-Carborane Anions of the C2B10Systems and Their Metal Complexes. Organometallics, 2002, 21, 5415-5427.	1.1	51
98	Synthesis, Structural Characterization, and Catalytic Property of Group 4 Metal Carborane Compounds with aiPr2NB-Bridged Constrained-Geometry Ligand. Organometallics, 2002, 21, 3850-3855.	1.1	66
99	A Novel Carbons-Adjacentarachno-C2B10Carborane Tetraanion Bearing both Hexagonal and Pentagonal Bonding Faces. Organometallics, 2001, 20, 3836-3838.	1.1	47
100	The first full-sandwich potassacarborane and a novel â€~carbons-adjacent' R2C2B10H11â^' monoanion. Chemical Communications, 2001, , 1110-1111.	2.2	39
101	Synthesis and Structures of Novel Low-Valent Group 14 1,3-Dimetallacyclobutanes and a Mixed-Metal 1,3-Stannaâ^'Plumbacyclobutane. Journal of the American Chemical Society, 2001, 123, 8123-8124.	6.6	46
102	A Novel Full-Sandwich Lanthanacarborane Complex Bearing anη7-Carboranyl Ligand, {{[η7-Me2Si(C13H9)(C2B10H11)]2YbIII}2YbII}{Na8(THF)20}. Organometallics, 2001, 20, 3842-3844.	1.1	26
103	Samarium-Mediated Tandem Reactions ofo-Carborane. Synthesis and Molecular Structure of [{η5:η1:η6-Me2Si(C9H5CH2CH2G)(C2B10H10)Sm}2(μ-Cl)][Li(THF)4] (G = NMe2and OMe). Organometallics, 2 20, 3624-3625.	20011,	31
104	Synthesis, Structure, Spectroscopic Properties, and Electrochemistry of Rare Earth Sandwich Compounds with Mixed 2,3-Naphthalocyaninato and Octaethylporphyrinato Ligands. Chemistry - A European Journal, 2001, 7, 5059-5069.	1.7	103
105	Bis(germavinylidene) [(Me3SiN=PPh2)2C=Ge→Ge=C(Ph2P=NSiMe3)] and 1,3-Dimetallacyclobutanes [M{I¼2-C(Ph2P=NSiMe3)2}]2 (M=Sn, Pb). Angewandte Chemie - International Edition, 2001, 40, 2501-2503. 	7.2	86
106	Saccharideâ€Functionalized Poly(Znâ€salphen)―alt â€( m ―and p―phenyleneethynylene)s as Dynamic Helica Metallopolymers. Angewandte Chemie, 0, , .	al 1.6	0