Shuang-Yan Huan

List of Publications by Citations

69 papers	2,309 citations	26 h-index	46 g-index
74 ext. papers	2,804 ext. citations	8.1 avg, IF	5.04 L-index

#	Paper	IF	Citations
69	DNAzyme-based biosensors and nanodevices. *Chemical Communications*, **2015**, 51, 979-95	5.8	213
68	High-sensitivity naphthalene-based two-photon fluorescent probe suitable for direct bioimaging of H2S in living cells. *Analytical Chemistry*, **2013**, 85, 7875-81	7.8	170
67	Translating bacterial detection by DNAzymes into a litmus test. *Angewandte Chemie - International Edition*, **2014**, 53, 12799-802	16.4	159
66	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. *Journal of the American Chemical Society*, **2018**, 140, 9793-9796	16.4	145
65	Fluorescence Resonance Energy Transfer-Based DNA Nanoprism with a Split Aptamer for Adenosine Triphosphate Sensing in Living Cells. *Analytical Chemistry*, **2017**, 89, 10941-10947	7.8	94
64	Nitric Oxide-Activated "Dual-Key-One-Lock" Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. *Journal of the American Chemical Society*, **2019**, 141, 13572-13581	16.4	76
63	Surface-enhanced Raman spectroscopic detection of a bacteria biomarker using gold nanoparticle immobilized substrates. *Analytical Chemistry*, **2009**, 81, 9902-12	7.8	73
62	A cell membrane-anchored fluorescent probe for monitoring carbon monoxide release from living cells. *Chemical Science*, **2019**, 10, 320-325	9.4	72
61	Visualization of Endoplasmic Reticulum Aminopeptidase 1 under Different Redox Conditions with a Two-Photon Fluorescent Probe. *Analytical Chemistry*, **2017**, 89, 7641-7648	7.8	70
60	Zirconium-based metal organic frameworks loaded on polyurethane foam membrane for simultaneous removal of dyes with different charges. *Journal of Colloid and Interface Science*, **2018**, 527, 267-279	9.3	62
59	A paper-based surface-enhanced resonance Raman spectroscopic (SERRS) immunoassay using magnetic separation and enzyme-catalyzed reaction. *Analyst, The*, **2013**, 138, 2624-31	5	60
58	Ultrathin reduced graphene oxide/MOF nanofiltration membrane with improved purification performance at low pressure. *Chemosphere*, **2018**, 204, 378-389	8.4	55
57	Two-Photon DNAzyme-Gold Nanoparticle Probe for Imaging Intracellular Metal Ions. *Analytical Chemistry*, **2018**, 90, 3118-3123	7.8	55
56	Easily separated silver nanoparticle-decorated magnetic graphene oxide: Synthesis and high antibacterial activity. *Journal of Colloid and Interface Science*, **2016**, 471, 94-102	9.3	51
55	Silver deposited polystyrene (PS) microspheres for surface-enhanced Raman spectroscopic-encoding and rapid label-free detection of melamine in milk powder. *Talanta*, **2013**, 113, 7-13	6.2	49
54	Preliminary study on the application of near infrared spectroscopy and pattern recognition methods to classify different types of apple samples. *Food Chemistry*, **2011**, 128, 555-61	8.5	47
53	Nanoscale Metal-Organic Framework Based Two-Photon Sensing Platform for Bioimaging in Live Tissue. *Analytical Chemistry*, **2019**, 91, 2727-2733	7.8	46

52	A MgO Nanoparticles Composite Matrix-Based Electrochemical Biosensor for Hydrogen Peroxide with High Sensitivity. *Electroanalysis*, **2010**, 22, 471-477	3	46
51	Polyurethane foam membranes filled with humic acid-chitosan crosslinked gels for selective and simultaneous removal of dyes. *Journal of Colloid and Interface Science*, **2017**, 505, 67-78	9.3	45
50	Nanoparticle-based substrates for surface-enhanced Raman scattering detection of bacterial spores. *Analyst, The*, **2012**, 137, 3601-8	5	44
49	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. *Analytical Chemistry*, **2015**, 87, 7746-53	7.8	43
48	Ag nanocluster-based label-free catalytic and molecular beacons for amplified biosensing. *Chemical Communications*, **2015**, 51, 12095-8	5.8	37
47	Liposome-mediated enhancement of the sensitivity in immunoassay based on surface-enhanced Raman scattering at gold nanosphere array substrate. *Talanta*, **2008**, 75, 797-803	6.2	36
46	Graphene sponge decorated with copper nanoparticles as a novel bactericidal filter for inactivation of Escherichia coli. *Chemosphere*, **2017**, 184, 347-357	8.4	31
45	The performance of UiO-66-NH/graphene oxide (GO) composite membrane for removal of differently charged mixed dyes. *Chemosphere*, **2019**, 237, 124517	8.4	28
44	Orientation of 6-mercaptopurine SAMs at the silver electrode as studied by Raman mapping and in situ SERS. *Journal of Physical Chemistry B*, **2006**, 110, 5490-7	3.4	26
43	Surface-enhanced Raman spectroscopic detection of Bacillus subtilis spores using gold nanoparticle based substrates. *Analytica Chimica Acta*, **2011**, 707, 155-63	6.6	25
42	Direct characterization of phase behavior and compatibility in PET/HDPE polymer blends by confocal Raman mapping. *Journal of Raman Spectroscopy*, **2007**, 38, 260-270	2.3	25
41	Learning from Artemisinin: Bioinspired Design of a Reaction-Based Fluorescent Probe for the Selective Sensing of Labile Heme in Complex Biosystems. *Journal of the American Chemical Society*, **2020**, 142, 2129-2133	16.4	24
40	Enantioselective Recognition of Amino Acid by Differential Pulse Voltammetry in Molecularly Imprinted Monolayers Assembled on Au Electrodes. *Electroanalysis*, **2004**, 16, 1019-1023	3	22
39	In Situ Imaging of Furin Activity with a Highly Stable Probe by Releasing of Precipitating Fluorochrome. *Analytical Chemistry*, **2018**, 90, 11680-11687	7.8	22
38	Fluorescence Resonance Energy Transfer-based Biosensor Composed of Nitrogen-doped Carbon Dots and Gold Nanoparticles for the Highly Sensitive Detection of Organophosphorus Pesticides. *Analytical Sciences*, **2016**, 32, 951-6	1.7	21
37	Tetraphenylethene derivative modified DNA oligonucleotide for in situ potassium ion detection and imaging in living cells. *Talanta*, **2017**, 167, 550-556	6.2	20
36	Selective electrochemical molecular recognition of benzenediol isomers using molecularly imprinted TiO2 film electrodes. *Analytica Chimica Acta*, **2004**, 506, 31-39	6.6	20
35	Copper-thioguanine metallodrug with self-reinforcing circular catalysis for activatable MRI imaging and amplifying specificity of cancer therapy. *Science China Chemistry*, **2020**, 63, 924-935	7.9	19

34	Surface-enhanced Raman scattering based detection of bacterial biomarker and potential surface reaction species. *Analyst, The*, **2010**, 135, 2993-3001	5	19
33	Oxygen-Embedded Pentacene Based Near-Infrared Chemiluminescent Nanoprobe for Highly Selective and Sensitive Visualization of Peroxynitrite In Vivo. *Analytical Chemistry*, **2020**, 92, 4154-4163	7.8	15
32	Construction of an efficacious model for a nondestructive identification of traditional Chinese medicines Liuwei Dihuang pills from different manufacturers using near-infrared spectroscopy and moving window partial least-squares discriminant analysis. *Analytical Sciences*, **2009**, 25, 1143-8	1.7	15
31	Recent progress in utilizing near-infrared J-aggregates for imaging and cancer therapy. *Materials Chemistry Frontiers*, **2021**, 5, 1076-1089	7.8	15
30	Smart Nanozyme Platform with Activity-Correlated Ratiometric Molecular Imaging for Predicting Therapeutic Effects. *Angewandte Chemie - International Edition*, **2021**, 60, 26142-26150	16.4	15
29	Oxygen-Embedded Quinoidal Acene Based Semiconducting Chromophore Nanoprobe for Amplified Photoacoustic Imaging and Photothermal Therapy. *Analytical Chemistry*, **2019**, 91, 15275-15283	7.8	14
28	Moving Window Partial Least-Squares Discriminant Analysis for Identification of Different Kinds of Bezoar Samples by near Infrared Spectroscopy and Comparison of Different Pattern Recognition Methods. *Journal of Near Infrared Spectroscopy*, **2007**, 15, 291-297	1.5	14
27	A graphene/ionic liquid modified selenium-doped carbon paste electrode for determination of copper and antimony. *Analytical Methods*, **2016**, 8, 1120-1126	3.2	13
26	Au Microelectrode Based on Molecularly Imprinted Oligomer Film for Rapid Electrochemical Sensing. *Analytical Letters*, **2003**, 36, 2401-2416	2.2	13
25	Determination of heavy metal ions in mixed solution by imprinted SAMs. *Electrochimica Acta*, **2004**, 49, 4273-4280	6.7	12
24	Progress and Perspective of Solid-State Organic Fluorophores for Biomedical Applications. *Journal of the American Chemical Society*, **2021**,	16.4	12
23	Molecular engineering of organic-based agents for bioimaging and phototherapeutics. *Chemical Society Reviews*, **2021**, 50, 11766-11784	58.5	12
22	Poly(cytosine)-templated Silver Nanoclusters as Fluorescent Biosensor for Highly Sensitive Detection of Uric Acid. *Journal of the Chinese Chemical Society*, **2016**, 63, 660-667	1.5	10
21	Chemical Design of Activatable Photoacoustic Probes for Precise Biomedical Applications.. *Chemical Reviews*, **2022**,	68.1	10
20	Generation of Biostable L-aptamers against Achiral Targets by Chiral Inversion of Existing D-aptamers. *Talanta*, **2017**, 164, 662-667	6.2	9
19	An aggregated perylene-based broad-spectrum, efficient and label-free quencher for multiplexed fluorescent bioassays. *Biosensors and Bioelectronics*, **2014**, 58, 320-5	11.8	9
18	RFP tags for labeling secretory pathway proteins. *Biochemical and Biophysical Research Communications*, **2014**, 447, 508-12	3.4	8
17	Precipitated Fluorophore-Based Molecular Probe for Imaging of Aminopeptidase N in Living Cells and Tumors. *Analytical Chemistry*, **2021**, 93, 6463-6471	7.8	8

List of Publications

16	A de novo strategy to develop NIR precipitating fluorochrome for long-term in situ cell membrane bioimaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
15	Synthesis and Characterization of Poly(toluidine blue) Nanowires and Their Application in Amperometric Biosensors. *Electroanalysis*, **2009**, 21, 1152-1158	3	6
14	Adsorption of purpald SAMs on silver and gold electrodes: a Raman mapping study. *Journal of Raman Spectroscopy*, **2007**, 38, 295-300	2.3	6
13	Manganese□fluorouracil Metallodrug Nanotheranostic for MRI-Correlated Drug Release and Enhanced Chemoradiotherapy. *CCS Chemistry*, **2021**, 3, 1116-1128	7.2	6
12	A two-photon fluorescence self-reporting black phosphorus nanoprobe for the monitoring of therapy response. *Chemical Communications*, **2020**, 56, 14007-14010	5.8	5
11	DNAzyme conjugated nanomaterials for biosensing applications. *Reviews in Analytical Chemistry*, **2014**, 33,	2.3	4
10	Carbon nanotube-impeded transport of non-steroidal anti-inflammatory drugs in Xiangjiang sediments. *Journal of Colloid and Interface Science*, **2017**, 498, 229-238	9.3	3
9	Gold Nanoparticles as Dual Functional Sensor to Detect E.coliDH5□as a Model for Gram-negative Bacteria. *Journal of the Chinese Chemical Society*, **2015**, 62, 521-527	1.5	3
8	Multiple-angle-of-incidence polarization infrared reflection-absorption spectroscopy (MAI-PIRRAS) for investigation of 6-Mercaptopurine SAMs on smooth silver surface. *Vibrational Spectroscopy*, **2009**, 49, 38-42	2.1	3
7	Tumor-Specific Multipath Nucleic Acid Damages Strategy by Symbiosed Nanozyme@Enzyme with Synergistic Self-Cyclic Catalysis. *Small*, **2021**, 17, e2100766	11	3
6	Gold Nanoparticle Based Fluorescence Resonance Energy Transfer Immunoassay for the Detection of the Histone Deacetylase Activity using a Fluorescent Peptide Probe. *Analytical Letters*, **2013**, 46, 2029-2039	2.2	2
5	Smart Nanozyme Platform with Activity-Correlated Ratiometric Molecular Imaging for Predicting Therapeutic Effects. *Angewandte Chemie*,	3.6	2
4	Influence of pH Value and Anion on Surface-Enhanced Raman Scattering of 2,6-Pyridinedicarboxylic Acid on Gold Nanoparticle Surface. *Chinese Journal of Analytical Chemistry*, **2011**, 39, 1003-1008	1.6	1
3	Monitoring Immunotherapy With Optical Molecular Imaging. *ChemMedChem*, **2021**, 16, 2547-2557	3.7	1
2	Size-tunable two-dimensional Pd@Au nanoplates as a platform for fluorescence sensing. *Journal of the Chinese Chemical Society*, **2018**, 65, 1251-1258	1.5	1
1	Oxygen-embedded quinoidal acene based semiconducting chromophore nanoprobe for amplified photoacoustic imaging. *Methods in Enzymology*, **2021**, 657, 385-413	1.7	