

Shuang-Yan Huan

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.

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	Chemical Design of Activatable Photoacoustic Probes for Precise Biomedical Applications.. <i>Chemical Reviews</i> , 2022 ,	68.1	10
68	Progress and Perspective of Solid-State Organic Fluorophores for Biomedical Applications. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	12
67	Precipitated Fluorophore-Based Molecular Probe for Imaging of Aminopeptidase N in Living Cells and Tumors. <i>Analytical Chemistry</i> , 2021 , 93, 6463-6471	7.8	8
66	ManganeseFluorouracil Metallodrug Nanotheranostic for MRI-Correlated Drug Release and Enhanced Chemoradiotherapy. <i>CCS Chemistry</i> , 2021 , 3, 1116-1128	7.2	6
65	Monitoring Immunotherapy With Optical Molecular Imaging. <i>ChemMedChem</i> , 2021 , 16, 2547-2557	3.7	1
64	Tumor-Specific Multipath Nucleic Acid Damages Strategy by Symbiosed Nanozyme@Enzyme with Synergistic Self-Cyclic Catalysis. <i>Small</i> , 2021 , 17, e2100766	11	3
63	Recent progress in utilizing near-infrared J-aggregates for imaging and cancer therapy. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1076-1089	7.8	15
62	Oxygen-embedded quinoidal acene based semiconducting chromophore nanoprobe for amplified photoacoustic imaging. <i>Methods in Enzymology</i> , 2021 , 657, 385-413	1.7	
61	Molecular engineering of organic-based agents for bioimaging and phototherapeutics. <i>Chemical Society Reviews</i> , 2021 , 50, 11766-11784	58.5	12
60	A de novo strategy to develop NIR precipitating fluorochrome for long-term in situ cell membrane bioimaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
59	Smart Nanozyme Platform with Activity-Correlated Ratiometric Molecular Imaging for Predicting Therapeutic Effects. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26142-26150	16.4	15
58	Copper-thioguanine metallodrug with self-reinforcing circular catalysis for activatable MRI imaging and amplifying specificity of cancer therapy. <i>Science China Chemistry</i> , 2020 , 63, 924-935	7.9	19
57	Oxygen-Embedded Pentacene Based Near-Infrared Chemiluminescent Nanoprobe for Highly Selective and Sensitive Visualization of Peroxynitrite In Vivo. <i>Analytical Chemistry</i> , 2020 , 92, 4154-4163	7.8	15
56	Learning from Artemisinin: Bioinspired Design of a Reaction-Based Fluorescent Probe for the Selective Sensing of Labile Heme in Complex Biosystems. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2129-2133	16.4	24
55	A two-photon fluorescence self-reporting black phosphorus nanoprobe for the monitoring of therapy response. <i>Chemical Communications</i> , 2020 , 56, 14007-14010	5.8	5
54	The performance of UiO-66-NH/graphene oxide (GO) composite membrane for removal of differently charged mixed dyes. <i>Chemosphere</i> , 2019 , 237, 124517	8.4	28
53	Nanoscale Metal-Organic Framework Based Two-Photon Sensing Platform for Bioimaging in Live Tissue. <i>Analytical Chemistry</i> , 2019 , 91, 2727-2733	7.8	46

52	A cell membrane-anchored fluorescent probe for monitoring carbon monoxide release from living cells. <i>Chemical Science</i> , 2019 , 10, 320-325	9.4	72
51	Nitric Oxide-Activated "Dual-Key-One-Lock" Nanoprobe for in Vivo Molecular Imaging and High-Specificity Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13572-13581	16.4	76
50	Oxygen-Embedded Quinoidal Acene Based Semiconducting Chromophore Nanoprobe for Amplified Photoacoustic Imaging and Photothermal Therapy. <i>Analytical Chemistry</i> , 2019 , 91, 15275-15283	7.8	14
49	Ultrathin reduced graphene oxide/MOF nanofiltration membrane with improved purification performance at low pressure. <i>Chemosphere</i> , 2018 , 204, 378-389	8.4	55
48	Two-Photon DNAzyme-Gold Nanoparticle Probe for Imaging Intracellular Metal Ions. <i>Analytical Chemistry</i> , 2018 , 90, 3118-3123	7.8	55
47	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9793-9796	16.4	145
46	In Situ Imaging of Furin Activity with a Highly Stable Probe by Releasing of Precipitating Fluorochrome. <i>Analytical Chemistry</i> , 2018 , 90, 11680-11687	7.8	22
45	Zirconium-based metal organic frameworks loaded on polyurethane foam membrane for simultaneous removal of dyes with different charges. <i>Journal of Colloid and Interface Science</i> , 2018 , 527, 267-279	9.3	62
44	Size-tunable two-dimensional Pd@Au nanoplates as a platform for fluorescence sensing. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 1251-1258	1.5	1
43	Tetraphenylethene derivative modified DNA oligonucleotide for in situ potassium ion detection and imaging in living cells. <i>Talanta</i> , 2017 , 167, 550-556	6.2	20
42	Visualization of Endoplasmic Reticulum Aminopeptidase 1 under Different Redox Conditions with a Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2017 , 89, 7641-7648	7.8	70
41	Graphene sponge decorated with copper nanoparticles as a novel bactericidal filter for inactivation of Escherichia coli. <i>Chemosphere</i> , 2017 , 184, 347-357	8.4	31
40	Polyurethane foam membranes filled with humic acid-chitosan crosslinked gels for selective and simultaneous removal of dyes. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 67-78	9.3	45
39	Carbon nanotube-impeded transport of non-steroidal anti-inflammatory drugs in Xiangjiang sediments. <i>Journal of Colloid and Interface Science</i> , 2017 , 498, 229-238	9.3	3
38	Fluorescence Resonance Energy Transfer-Based DNA Nanoprism with a Split Aptamer for Adenosine Triphosphate Sensing in Living Cells. <i>Analytical Chemistry</i> , 2017 , 89, 10941-10947	7.8	94
37	Generation of Biostable L-aptamers against Achiral Targets by Chiral Inversion of Existing D-aptamers. <i>Talanta</i> , 2017 , 164, 662-667	6.2	9
36	Fluorescence Resonance Energy Transfer-based Biosensor Composed of Nitrogen-doped Carbon Dots and Gold Nanoparticles for the Highly Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Sciences</i> , 2016 , 32, 951-6	1.7	21
35	Easily separated silver nanoparticle-decorated magnetic graphene oxide: Synthesis and high antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2016 , 471, 94-102	9.3	51

34	A graphene/ionic liquid modified selenium-doped carbon paste electrode for determination of copper and antimony. <i>Analytical Methods</i> , 2016 , 8, 1120-1126	3.2	13
33	Poly(cytosine)-templated Silver Nanoclusters as Fluorescent Biosensor for Highly Sensitive Detection of Uric Acid. <i>Journal of the Chinese Chemical Society</i> , 2016 , 63, 660-667	1.5	10
32	Ag nanocluster-based label-free catalytic and molecular beacons for amplified biosensing. <i>Chemical Communications</i> , 2015 , 51, 12095-8	5.8	37
31	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015 , 87, 7746-53	7.8	43
30	DNAzyme-based biosensors and nanodevices. <i>Chemical Communications</i> , 2015 , 51, 979-95	5.8	213
29	Gold Nanoparticles as Dual Functional Sensor to Detect E.coliDH5 α s as a Model for Gram-negative Bacteria. <i>Journal of the Chinese Chemical Society</i> , 2015 , 62, 521-527	1.5	3
28	RFP tags for labeling secretory pathway proteins. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 447, 508-12	3.4	8
27	Translating bacterial detection by DNAzymes into a litmus test. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12799-802	16.4	159
26	DNAzyme conjugated nanomaterials for biosensing applications. <i>Reviews in Analytical Chemistry</i> , 2014 , 33,	2.3	4
25	An aggregated perylene-based broad-spectrum, efficient and label-free quencher for multiplexed fluorescent bioassays. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 320-5	11.8	9
24	Silver deposited polystyrene (PS) microspheres for surface-enhanced Raman spectroscopic-encoding and rapid label-free detection of melamine in milk powder. <i>Talanta</i> , 2013 , 113, 7-13	6.2	49
23	High-sensitivity naphthalene-based two-photon fluorescent probe suitable for direct bioimaging of H ₂ S in living cells. <i>Analytical Chemistry</i> , 2013 , 85, 7875-81	7.8	170
22	A paper-based surface-enhanced resonance Raman spectroscopic (SERRS) immunoassay using magnetic separation and enzyme-catalyzed reaction. <i>Analyst, The</i> , 2013 , 138, 2624-31	5	60
21	Gold Nanoparticle Based Fluorescence Resonance Energy Transfer Immunoassay for the Detection of the Histone Deacetylase Activity using a Fluorescent Peptide Probe. <i>Analytical Letters</i> , 2013 , 46, 2029-2039 ²	2.2	2
20	Nanoparticle-based substrates for surface-enhanced Raman scattering detection of bacterial spores. <i>Analyst, The</i> , 2012 , 137, 3601-8	5	44
19	Influence of pH Value and Anion on Surface-Enhanced Raman Scattering of 2,6-Pyridinedicarboxylic Acid on Gold Nanoparticle Surface. <i>Chinese Journal of Analytical Chemistry</i> , 2011 , 39, 1003-1008	1.6	1
18	Surface-enhanced Raman spectroscopic detection of Bacillus subtilis spores using gold nanoparticle based substrates. <i>Analytica Chimica Acta</i> , 2011 , 707, 155-63	6.6	25
17	Preliminary study on the application of near infrared spectroscopy and pattern recognition methods to classify different types of apple samples. <i>Food Chemistry</i> , 2011 , 128, 555-61	8.5	47

16	Surface-enhanced Raman scattering based detection of bacterial biomarker and potential surface reaction species. <i>Analyst, The</i> , 2010 , 135, 2993-3001	5	19
15	A MgO Nanoparticles Composite Matrix-Based Electrochemical Biosensor for Hydrogen Peroxide with High Sensitivity. <i>Electroanalysis</i> , 2010 , 22, 471-477	3	46
14	Synthesis and Characterization of Poly(toluidine blue) Nanowires and Their Application in Amperometric Biosensors. <i>Electroanalysis</i> , 2009 , 21, 1152-1158	3	6
13	Multiple-angle-of-incidence polarization infrared reflection-absorption spectroscopy (MAI-PIRRAS) for investigation of 6-Mercaptopurine SAMs on smooth silver surface. <i>Vibrational Spectroscopy</i> , 2009 , 49, 38-42	2.1	3
12	Surface-enhanced Raman spectroscopic detection of a bacteria biomarker using gold nanoparticle immobilized substrates. <i>Analytical Chemistry</i> , 2009 , 81, 9902-12	7.8	73
11	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. <i>Analytical Sciences</i> , 2009 , 25, 1143-8	1.7	15
10	Liposome-mediated enhancement of the sensitivity in immunoassay based on surface-enhanced Raman scattering at gold nanosphere array substrate. <i>Talanta</i> , 2008 , 75, 797-803	6.2	36
9	Direct characterization of phase behavior and compatibility in PET/HDPE polymer blends by confocal Raman mapping. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 260-270	2.3	25
8	Adsorption of purpald SAMs on silver and gold electrodes: a Raman mapping study. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 295-300	2.3	6
7	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. <i>Journal of Near Infrared Spectroscopy</i> , 2007 , 15, 291-297	1.5	14
6	Orientation of 6-mercaptopurine SAMs at the silver electrode as studied by Raman mapping and in situ SERS. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5490-7	3.4	26
5	Enantioselective Recognition of Amino Acid by Differential Pulse Voltammetry in Molecularly Imprinted Monolayers Assembled on Au Electrodes. <i>Electroanalysis</i> , 2004 , 16, 1019-1023	3	22
4	Selective electrochemical molecular recognition of benzenediol isomers using molecularly imprinted TiO ₂ film electrodes. <i>Analytica Chimica Acta</i> , 2004 , 506, 31-39	6.6	20
3	Determination of heavy metal ions in mixed solution by imprinted SAMs. <i>Electrochimica Acta</i> , 2004 , 49, 4273-4280	6.7	12
2	Au Microelectrode Based on Molecularly Imprinted Oligomer Film for Rapid Electrochemical Sensing. <i>Analytical Letters</i> , 2003 , 36, 2401-2416	2.2	13
1	Smart Nanozyme Platform with Activity-Correlated Ratiometric Molecular Imaging for Predicting Therapeutic Effects. <i>Angewandte Chemie</i> ,	3.6	2