

# Shuo-Hui Cao

## List of Publications by Year in descending order

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37  
papers

724  
citations

516710

16  
h-index

552781

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

783  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Real-Time Quantitative Determination in Electrochemical Nuclear Magnetic Resonance Spectroscopy. <i>Sensors</i> , 2022, 22, 282.	3.8	2
2	Label-Free Fluorescent Nanofilm Sensor Based on Surface Plasmon Coupled Emission: In Situ Monitoring the Growth of Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2022, 94, 6430-6435.	6.5	10
3	Plasmon Coupling Enhanced Micro-Spectroscopy and Imaging for Sensitive Discrimination of Membrane Domains of a Single Cell. <i>Chemistry - A European Journal</i> , 2021, 27, 17331-17335.	3.3	3
4	Boosting C3-alcohol electrooxidations by co-fueling with formic acid: A real-time quantitative nuclear magnetic resonance spectroelectrochemical study. <i>Journal of Catalysis</i> , 2021, 404, 551-559.	6.2	1
5	Metallic Nanofilm Enhanced Fluorescence Cell Imaging: A Study of Distance-Dependent Intensity and Lifetime by Optical Sectioning Microscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2760-2768.	2.6	6
6	Excitation-Emission Synchronization-Mediated Directional Fluorescence: Insight into Plasmon-Coupled Emission at Vibrational Resolution. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2701-2707.	4.6	8
7	Surface plasmon-coupled emission imaging for biological applications. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6085-6100.	3.7	20
8	NMR Spectroelectrochemistry in Studies of Dopamine Oxidation. <i>Electrochemistry</i> , 2020, 88, 200-204.	1.4	8
9	Variable-Angle Nanoplasmonic Fluorescence Microscopy: An Axially Resolved Method for Tracking the Endocytic Pathway. <i>Analytical Chemistry</i> , 2019, 91, 13658-13664.	6.5	13
10	A label-free and ultrasensitive DNA impedimetric sensor with enzymatic and electrical dual-amplification. <i>Analyst</i> , 2019, 144, 4175-4179.	3.5	6
11	Reversing current rectification to improve DNA-sensing sensitivity in conical nanopores. <i>Electrophoresis</i> , 2019, 40, 2098-2103.	2.4	4
12	In Situ Monitoring of Fluorescent Polymer Brushes by Angle-Scanning Based Surface Plasmon Coupled Emission. <i>ACS Macro Letters</i> , 2019, 8, 223-227.	4.8	18
13	The synergistic enhancement of silver nanocubes and graphene oxide on surface plasmon-coupled emission. <i>Talanta</i> , 2019, 195, 752-756.	5.5	34
14	Versatile, Robust, and Facile Approach for in Situ Monitoring Electrocatalytic Processes through Liquid Electrochemical NMR Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 1686-1691.	6.5	20
15	Surface Plasmon Coupled Fluorescence-Enhanced Interfacial "Molecular Beacon" To Probe Biorecognition Switching: An Efficient, Versatile, and Facile Signaling Biochip. <i>ACS Applied Bio Materials</i> , 2019, 2, 625-629.	4.6	14
16	NMR spectroelectrochemistry in studies of hydroquinone oxidation by polyaniline thin films. <i>Electrochimica Acta</i> , 2018, 273, 300-306.	5.2	22
17	The electrochemical oxidation of hydroquinone and catechol through polyaniline and poly(aspartic) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	10
18	Influence of Sample Thickness on Surface Plasmon Coupled Emission (SPCE) over a Large Range in Water. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800373.	1.8	2

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19	Optical modulator based on propagating surface plasmon coupled fluorescent thin film: proof-of-concept studies. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 024006.	2.3	7
20	In Situ Monitoring Potential-Dependent Electrochemical Process by Liquid NMR Spectroelectrochemical Determination: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2017, 89, 3810-3813.	6.5	19
21	A novel <i>in situ</i> electrochemical NMR cell with a palisade gold film electrode. <i>AIP Advances</i> , 2017, 7, .	1.3	12
22	Graphene oxide-assisted surface plasmon coupled emission for amplified fluorescence immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 804-808.	7.8	35
23	A Simple Fluorescence Spectroscopic Approach for Simultaneous and Rapid Detection of Four Polycyclic Aromatic Hydrocarbons (PAH4) in Vegetable Oils. <i>Food Analytical Methods</i> , 2016, 9, 3209-3217.	2.6	24
24	A conformation and charge co-modulated ultrasensitive biomimetic ion channel. <i>Chemical Communications</i> , 2016, 52, 12450-12453.	4.1	20
25	High performance dual-mode surface plasmon coupled emission imaging apparatus integrating Kretschmann and reverse Kretschmann configurations for flexible measurements. <i>Review of Scientific Instruments</i> , 2016, 87, 013705.	1.3	10
26	Surface Plasmon Coupled Emission in Micrometer-Scale Cells: A Leap from Interface to Bulk Targets. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2921-2927.	2.6	15
27	Modulation of surface plasmon coupled emission (SPCE) by a pulsed magnetic field. <i>Chemical Communications</i> , 2015, 51, 12320-12323.	4.1	9
28	Strong fluorescence emission localized at a tapered silver-plated sub-wavelength pore. <i>New Journal of Chemistry</i> , 2015, 39, 77-80.	2.8	4
29	Surface charge modulated aptasensor in a single glass conical nanopore. <i>Biosensors and Bioelectronics</i> , 2015, 71, 37-43.	10.1	47
30	Plasmon-mediated fluorescence with distance independence: From model to a biosensing application. <i>Biosensors and Bioelectronics</i> , 2014, 58, 258-265.	10.1	21
31	Turning on fluorescence by plasmonic assembly with large tunable spacing: a new observation and its biosensing application. <i>Chemical Communications</i> , 2014, 50, 518-520.	4.1	25
32	Rapid fluorescence spectroscopic screening method for the sensitive detection of thiabendazole in red wine. <i>Analytical Methods</i> , 2014, 6, 7260-7267.	2.7	13
33	Label-Free Aptasensor Based on Ultrathin-Linker-Mediated Hot-Spot Assembly To Induce Strong Directional Fluorescence. <i>Journal of the American Chemical Society</i> , 2014, 136, 6802-6805.	13.7	60
34	Directional surface plasmon-coupled emission of CdTe quantum dots and its application in Hg(II) sensing. <i>Analytical Methods</i> , 2012, 4, 3956.	2.7	25
35	Surface Plasmon-Coupled Emission: What Can Directional Fluorescence Bring to the Analytical Sciences?. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 317-336.	5.4	128
36	Electric Field Assisted Surface Plasmon-Coupled Directional Emission: An Active Strategy on Enhancing Sensitivity for DNA Sensing and Efficient Discrimination of Single Base Mutation. <i>Journal of the American Chemical Society</i> , 2011, 133, 1787-1789.	13.7	47

#	ARTICLE	IF	CITATIONS
37	Polarization- and Angle-Dependent Plasmonic Synchronous Fluorescence Spectroscopy to Probe Molecular Vibrational Couplings on an Aluminum Nano-Film. <i>Advanced Optical Materials</i> , 0, , 2101973.	7.3	1