

# Fengyu Su

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,041  
citations

279778

23  
h-index

243610

44  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of DNA Origami Nanoarrays in Cell Lysate. <i>Nano Letters</i> , 2011, 11, 1477-1482.	9.1	303
2	An FRET-based ratiometric chemosensor for in vitro cellular fluorescence analyses of pH. <i>Biomaterials</i> , 2012, 33, 171-180.	11.4	156
3	K <sup>+</sup> regulates Ca <sup>2+</sup> to drive inflammasome signaling: dynamic visualization of ion flux in live cells. <i>Cell Death and Disease</i> , 2015, 6, e1954-e1954.	6.3	156
4	A New Highly Selective Fluorescent K <sup>+</sup> Sensor. <i>Journal of the American Chemical Society</i> , 2011, 133, 18530-18533.	13.7	147
5	A series of naphthalimide derivatives as intra and extracellular pH sensors. <i>Biomaterials</i> , 2010, 31, 7411-7422.	11.4	106
6	Automatic light-adjusting electrochromic device powered by perovskite solar cell. <i>Nature Communications</i> , 2021, 12, 1010.	12.8	92
7	A Highly Selective Mitochondria-Targeting Fluorescent K <sup>+</sup> Sensor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12053-12057.	13.8	88
8	Using fluorine-containing amphiphilic random copolymers to manipulate the quantum yields of aggregation-induced emission fluorophores in aqueous solutions and the use of these polymers for fluorescent bioimaging. <i>Journal of Materials Chemistry</i> , 2012, 22, 9890.	6.7	71
9	Triazacryptand-based fluorescent sensors for extracellular and intracellular K <sup>+</sup> sensing. <i>Biomaterials</i> , 2011, 32, 8574-8583.	11.4	54
10	Multifunctional PHPMA-Derived Polymer for Ratiometric pH Sensing, Fluorescence Imaging, and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1556-1565.	8.0	49
11	New effective process to fabricate fast switching and high contrast electrochromic device based on viologen and Prussian blue/antimony tin oxide nano-composites with dark colored state. <i>Electrochimica Acta</i> , 2011, 56, 6230-6236.	5.2	48
12	A series of poly[ <i>N</i> -(2-hydroxypropyl)methacrylamide] copolymers with anthracene-derived fluorophores showing aggregation-induced emission properties for bioimaging. <i>Journal of Polymer Science Part A</i> , 2012, 50, 890-899.	2.3	48
13	Crystal Structure and Enzymatic Degradation of Poly(4-hydroxybutyrate). <i>Macromolecules</i> , 2003, 36, 6401-6409.	4.8	39
14	Nanostructured Oxygen Sensor - Using Micelles to Incorporate a Hydrophobic Platinum Porphyrin. <i>PLoS ONE</i> , 2012, 7, e33390.	2.5	37
15	Synthesis and variable-temperature FTIR study of five chiral liquid crystals induced by intermolecular hydrogen bonding. <i>Liquid Crystals</i> , 1995, 19, 743-748.	2.2	34
16	A fluorescent colorimetric pH sensor and the influences of matrices on sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1-10.	7.8	32
17	A dual sensor for real-time monitoring of glucose and oxygen. <i>Biomaterials</i> , 2013, 34, 9779-9788.	11.4	31
18	Ratiometric fluorescent pH-sensitive polymers for high-throughput monitoring of extracellular pH. <i>RSC Advances</i> , 2016, 6, 46134-46142.	3.6	31

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19	2,1,3-Benzothiadiazole (BTD)-moiety-containing red emitter conjugated amphiphilic poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1728.	6.7	30
20	Platinum (II) porphyrin-containing thermoresponsive poly(N-isopropylacrylamide) copolymer as fluorescence dual oxygen and temperature sensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 135-141.	7.8	29
21	Detection of Carcinoembryonic Antigens Using a Surface Plasmon Resonance Biosensor. <i>Sensors</i> , 2008, 8, 4282-4295.	3.8	28
22	A polymer-based ratiometric intracellular glucose sensor. <i>Chemical Communications</i> , 2014, 50, 6920-6922.	4.1	26
23	Circular Extinction Imaging:â€% Determination of the Absolute Orientation of Embedded Chromophores in Enantiomorphously Twinned LiKSO4Crystals. <i>Crystal Growth and Design</i> , 2005, 5, 2117-2123.	3.0	24
24	Electron and X-ray diffraction study on poly(4-hydroxybutyrate). <i>Polymer</i> , 2001, 42, 8915-8918.	3.8	22
25	Air-stable, high contrast solution-phase electrochromic device based on an A-D-A viologen derivative. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113447.	3.8	22
26	A mitochondria-targeting NIR fluorescent potassium ion sensor: real-time investigation of the mitochondrial K <sup>+</sup> regulation of apoptosis <i>in situ</i> . <i>Chemical Communications</i> , 2020, 56, 5405-5408.	4.1	20
27	1,8â€Naphthalimide Derivative Dyes with Large Stokes Shifts for Targeting Liveâ€Cell Mitochondria. <i>ChemBioChem</i> , 2016, 17, 1719-1724.	2.6	19
28	Development of a molecular K <sup>+</sup> probe for colorimetric/fluorescent/photoacoustic detection of K <sup>+</sup> . <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6947-6957.	3.7	19
29	On-chip isotachopheresis separation of functional DNA origami capture nanoarrays from cell lysate. <i>Nano Research</i> , 2013, 6, 712-719.	10.4	18
30	Crystallization and Intriguing Morphologies of Compatible Mixtures of Tetrahydrofuranâ”Methyl Methacrylate Diblock Copolymer with Poly(tetrahydrofuran). <i>Macromolecules</i> , 1997, 30, 1363-1374.	4.8	17
31	Single-chain single crystals of gutta-percha. <i>Journal of Macromolecular Science - Physics</i> , 1997, 36, 195-203.	1.0	16
32	Micro-patterning and characterization of PHEMA-co-PAM-based optical chemical sensors for lab-on-a-chip applications. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 817-823.	7.8	16
33	A Highly Stable and Tunable Visibleâ€Nearâ€R Electrochromic Allâ€inâ€One Gel Device. <i>ChemPhotoChem</i> , 2020, 4, 357-365.	3.0	15
34	Dually Fluorescent Core-Shell Microgels for Ratiometric Imaging in Live Antigen-Presenting Cells. <i>PLoS ONE</i> , 2014, 9, e88185.	2.5	15
35	High performance electrochromic supercapacitors powered by perovskite-solar-cell for real-time light energy flow control. <i>Chemical Engineering Journal</i> , 2022, 430, 133082.	12.7	15
36	Synthesis of a new series of chiral Schiff's bases and their copper complexes. <i>Liquid Crystals</i> , 1996, 20, 139-145.	2.2	12

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37	A platform for high-throughput bioenergy production phenotype characterization in single cells. <i>Scientific Reports</i> , 2017, 7, 45399.	3.3	12
38	A new crystal modification of gutta percha. <i>Polymer</i> , 1998, 39, 5379-5385.	3.8	11
39	High Throughput Micropatterning of Optical Oxygen Sensor for Single Cell Analysis. <i>IEEE Sensors Journal</i> , 2012, 12, 1668-1672.	4.7	11
40	Ratiometric glucose sensing based on fluorescent oxygen films and glucose oxidase. <i>Sensing and Bio-Sensing Research</i> , 2017, 14, 1-6.	4.2	11
41	A transparent-to-gray electrochromic device based on an asymmetric viologen. <i>New Journal of Chemistry</i> , 2020, 44, 19902-19907.	2.8	11
42	Tricolor dual sensor for ratiometrically analyzing potassium ions and dissolved oxygen. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 232, 118155.	3.9	11
43	cRGD functionalized 2,1,3-benzothiadiazole (BTD)-containing two-photon absorbing red-emitter-conjugated amphiphilic poly(ethylene glycol)-block-poly( $\mu$ -caprolactone) for targeted bioimaging. <i>RSC Advances</i> , 2019, 9, 34235-34243.	3.6	10
44	Synthesis of some chiral liquid crystals and study of the effect of intramolecular hydrogen bonding on the phase behaviour. <i>Liquid Crystals</i> , 1995, 19, 295-300.	2.2	8
45	Micelles as Delivery Vehicles for Oligofluorene for Bioimaging. <i>PLoS ONE</i> , 2011, 6, e24425.	2.5	8
46	Amphiphilic Fluorine-Containing Block Copolymers as Carriers for Hydrophobic PtTFPP for Dissolved Oxygen Sensing, Cell Respiration Monitoring and In Vivo Hypoxia Imaging with High Quantum Efficiency and Long Lifetime. <i>Sensors</i> , 2018, 18, 3752.	3.8	8
47	Visualization of the Recrystallization of Solution-Grown Poly[(R)-3-hydroxybutyrate] Lamellar Crystals. <i>Macromolecular Rapid Communications</i> , 2001, 22, 629-632.	3.9	7
48	The oxindole Syk inhibitor OXSI-2 blocks nigericin-induced inflammasome signaling and pyroptosis independent of potassium efflux. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 545-550.	2.1	7
49	Rational Design of a Polymer-Based Ratiometric $K^{+}$ Indicator for High-Throughput Monitoring Intracellular $K^{+}$ Fluctuations. <i>ACS Applied Bio Materials</i> , 2021, 4, 1731-1739.	4.6	6
50	Intracellular potassium ion fluorescent nanoprobe for functional analysis of hERG channel via bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130450.	7.8	6
51	High resolution electron microscopy study of single chain single crystals of gutta percha. <i>Polymer</i> , 1998, 39, 5053-5057.	3.8	5
52	New nanostructured extracellular potassium ion probe for assay of cellular $K^{+}$ transport. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121435.	3.9	4