

Fengyu Su

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,041
citations

279798

23
h-index

243625

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. Nano Letters, 2011, 11, 1477-1482.	9.1	303
2	An FRET-based ratiometric chemosensor for in vitro cellular fluorescence analyses of pH. Biomaterials, 2012, 33, 171-180.	11.4	156
3	K ⁺ regulates Ca ²⁺ to drive inflammasome signaling: dynamic visualization of ion flux in live cells. Cell Death and Disease, 2015, 6, e1954-e1954.	6.3	156
4	A New Highly Selective Fluorescent K ⁺ Sensor. Journal of the American Chemical Society, 2011, 133, 18530-18533.	13.7	147
5	A series of naphthalimide derivatives as intra and extracellular pH sensors. Biomaterials, 2010, 31, 7411-7422.	11.4	106
6	Automatic light-adjusting electrochromic device powered by perovskite solar cell. Nature Communications, 2021, 12, 1010.	12.8	92
7	A Highly Selective Mitochondria-Targeting Fluorescent K ⁺ Sensor. Angewandte Chemie - International Edition, 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. Journal of Materials Chemistry, 2012, 22, 9890.	6.7	71
9	Triazacryptand-based fluorescent sensors for extracellular and intracellular K ⁺ sensing. Biomaterials, 2011, 32, 8574-8583.	11.4	54
10	Multifunctional PHPMA-Derived Polymer for Ratiometric pH Sensing, Fluorescence Imaging, and Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 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. Electrochimica Acta, 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. Journal of Polymer Science Part A, 2012, 50, 890-899.	2.3	48
13	Crystal Structure and Enzymatic Degradation of Poly(4-hydroxybutyrate). Macromolecules, 2003, 36, 6401-6409.	4.8	39
14	Nanostructured Oxygen Sensor - Using Micelles to Incorporate a Hydrophobic Platinum Porphyrin. PLoS ONE, 2012, 7, e33390.	2.5	37
15	Synthesis and variable-temperature FTIR study of five chiral liquid crystals induced by intermolecular hydrogen bonding. Liquid Crystals, 1995, 19, 743-748.	2.2	34
16	A fluorescent colorimetric pH sensor and the influences of matrices on sensing performances. Sensors and Actuators B: Chemical, 2013, 188, 1-10.	7.8	32
17	A dual sensor for real-time monitoring of glucose and oxygen. Biomaterials, 2013, 34, 9779-9788.	11.4	31
18	Ratiometric fluorescent pH-sensitive polymers for high-throughput monitoring of extracellular pH. RSC Advances, 2016, 6, 46134-46142.	3.6	31

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

#	ARTICLE	IF	CITATIONS
37	A platform for high-throughput bioenergy production phenotype characterization in single cells. Scientific Reports, 2017, 7, 45399.	3.3	12
38	A new crystal modification of gutta percha. Polymer, 1998, 39, 5379-5385.	3.8	11
39	High Throughput Micropatterning of Optical Oxygen Sensor for Single Cell Analysis. IEEE Sensors Journal, 2012, 12, 1668-1672.	4.7	11
40	Ratiometric glucose sensing based on fluorescent oxygen films and glucose oxidase. Sensing and Bio-Sensing Research, 2017, 14, 1-6.	4.2	11
41	A transparent-to-gray electrochromic device based on an asymmetric viologen. New Journal of Chemistry, 2020, 44, 19902-19907.	2.8	11
42	Tricolor dual sensor for ratiometrically analyzing potassium ions and dissolved oxygen. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 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(μ -caprolactone) for targeted bioimaging. RSC Advances, 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. Liquid Crystals, 1995, 19, 295-300.	2.2	8
45	Micelles as Delivery Vehicles for Oligofluorene for Bioimaging. PLoS ONE, 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. Sensors, 2018, 18, 3752.	3.8	8
47	Visualization of the Recrystallization of Solution-Grown Poly[(R)-3-hydroxybutyrate] Lamellar Crystals. Macromolecular Rapid Communications, 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. Biochemical and Biophysical Research Communications, 2016, 472, 545-550.	2.1	7
49	Rational Design of a Polymer-Based Ratiometric K^{+} Indicator for High-Throughput Monitoring Intracellular K^{+} Fluctuations. ACS Applied Bio Materials, 2021, 4, 1731-1739.	4.6	6
50	Intracellular potassium ion fluorescent nanoprobe for functional analysis of hERG channel via bioimaging. Sensors and Actuators B: Chemical, 2021, 345, 130450.	7.8	6
51	High resolution electron microscopy study of single chain single crystals of gutta percha. Polymer, 1998, 39, 5053-5057.	3.8	5
52	New nanostructured extracellular potassium ion probe for assay of cellular K^{+} transport. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121435.	3.9	4