

Chulhun Kang

List of Publications by Year in descending order

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47006

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docs citations

89
times ranked

10584
citing authors

#	ARTICLE	IF	CITATIONS
1	Disulfide-Cleavage-Triggered Chemosensors and Their Biological Applications. <i>Chemical Reviews</i> , 2013, 113, 5071-5109.	47.7	687
2	A Self-Calibrating Bipartite Viscosity Sensor for Mitochondria. <i>Journal of the American Chemical Society</i> , 2013, 135, 9181-9185.	13.7	396
3	Mitochondria-Immobilized pH-Sensitive Off-On Fluorescent Probe. <i>Journal of the American Chemical Society</i> , 2014, 136, 14136-14142.	13.7	395
4	Hepatocyte-Targeting Single Galactose-Appended Naphthalimide: A Tool for Intracellular Thiol Imaging in Vivo. <i>Journal of the American Chemical Society</i> , 2012, 134, 1316-1322.	13.7	379
5	Recent development of biotin conjugation in biological imaging, sensing, and target delivery. <i>Chemical Communications</i> , 2015, 51, 10403-10418.	4.1	295
6	Gemcitabine-Coumarin-Biotin Conjugates: A Target Specific Theranostic Anticancer Prodrug. <i>Journal of the American Chemical Society</i> , 2013, 135, 4567-4572.	13.7	290
7	A Mitochondria-Targeted Cryptocyanine-Based Photothermogenic Photosensitizer. <i>Journal of the American Chemical Society</i> , 2017, 139, 9972-9978.	13.7	288
8	Direct Fluorescence Monitoring of the Delivery and Cellular Uptake of a Cancer-Targeted RGD Peptide-Appended Naphthalimide Theragnostic Prodrug. <i>Journal of the American Chemical Society</i> , 2012, 134, 12668-12674.	13.7	274
9	Fluorogenic reaction-based prodrug conjugates as targeted cancer theranostics. <i>Chemical Society Reviews</i> , 2018, 47, 28-52.	38.1	270
10	A novel strategy to selectively detect Fe(III) in aqueous media driven by hydrolysis of a rhodamine 6G Schiff base. <i>Chemical Communications</i> , 2010, 46, 1407-1409.	4.1	251
11	Nanomolar Hg(II) Detection Using Nile Blue Chemodosimeter in Biological Media. <i>Organic Letters</i> , 2009, 11, 2101-2104.	4.6	228
12	Two-Color Probe to Monitor a Wide Range of pH Values in Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6206-6209.	13.8	227
13	Coumarin-Cu(II) Ensemble-Based Cyanide Sensing Chemodosimeter. <i>Organic Letters</i> , 2011, 13, 5056-5059.	4.6	216
14	A cysteine-selective fluorescent probe for the cellular detection of cysteine. <i>Biomaterials</i> , 2012, 33, 945-953.	11.4	213
15	Extracellular membrane vesicles from tumor cells promote angiogenesis via sphingomyelin. <i>Cancer Research</i> , 2002, 62, 6312-7.	0.9	206
16	Folate-Based Near-Infrared Fluorescent Theranostic Gemcitabine Delivery. <i>Journal of the American Chemical Society</i> , 2013, 135, 11657-11662.	13.7	192
17	Chemical sensing of neurotransmitters. <i>Chemical Society Reviews</i> , 2014, 43, 4684-4713.	38.1	192
18	Coumarin-Based Thiol Chemosensor: Synthesis, Turn-On Mechanism, and Its Biological Application. <i>Organic Letters</i> , 2011, 13, 1498-1501.	4.6	189

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19	Enhanced NIR Radiation-Triggered Hyperthermia by Mitochondrial Targeting. <i>Journal of the American Chemical Society</i> , 2015, 137, 3017-3023.	13.7	168
20	An iminocoumarin-Cu(II) ensemble-based chemodosimeter toward thiols. <i>Chemical Communications</i> , 2011, 47, 5142.	4.1	159
21	Pyrophosphate-Selective Fluorescent Chemosensor Based on 1,8-Naphthalimide-DPA-Zn(II) Complex and Its Application for Cell Imaging. <i>Organic Letters</i> , 2011, 13, 5294-5297.	4.6	158
22	Mitochondrial Thioredoxin-Responding Off-On Fluorescent Probe. <i>Journal of the American Chemical Society</i> , 2012, 134, 17314-17319.	13.7	151
23	Molecular modulated cysteine-selective fluorescent probe. <i>Biomaterials</i> , 2012, 33, 8495-8502.	11.4	142
24	Inhibitory effects of arbutin on melanin biosynthesis of α -melanocyte stimulating hormone-induced hyperpigmentation in cultured brownish guinea pig skin tissues. <i>Archives of Pharmacal Research</i> , 2009, 32, 367-373.	6.3	136
25	Mechanism of glucocorticoid-induced oxidative stress in rat hippocampal slice cultures. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 440-447.	1.4	136
26	Effects of red ginseng extract on UVB irradiation-induced skin aging in hairless mice. <i>Journal of Ethnopharmacology</i> , 2009, 123, 446-451.	4.1	120
27	Rational Design of <i>in Vivo</i> Tau Tangle-Selective Near-Infrared Fluorophores: Expanding the BODIPY Universe. <i>Journal of the American Chemical Society</i> , 2017, 139, 13393-13403.	13.7	117
28	A Nile Red/BODIPY-based bimodal probe sensitive to changes in the micropolarity and microviscosity of the endoplasmic reticulum. <i>Chemical Communications</i> , 2014, 50, 11672-11675.	4.1	106
29	Shedding light on tau protein aggregation: the progress in developing highly selective fluorophores. <i>Chemical Society Reviews</i> , 2018, 47, 2249-2265.	38.1	105
30	Genipin inhibits the inflammatory response of rat brain microglial cells. <i>International Immunopharmacology</i> , 2010, 10, 493-499.	3.8	100
31	Organelle-selective fluorescent Cu ²⁺ probes: revealing the endoplasmic reticulum as a reservoir for Cu-overloading. <i>Chemical Communications</i> , 2014, 50, 3197-3200.	4.1	99
32	Insulin-like growth factor-1 protects H9c2 cardiac myoblasts from oxidative stress-induced apoptosis via phosphatidylinositol 3-kinase and extracellular signal-regulated kinase pathways. <i>Life Sciences</i> , 2001, 68, 1095-1105.	4.3	89
33	A fluorescence off-on reporter for real time monitoring of gemcitabine delivery to the cancer cells. <i>Chemical Communications</i> , 2013, 49, 7141.	4.1	80
34	Toward a Chemical Marker for Inflammatory Disease: A Fluorescent Probe for Membrane-Localized Thioredoxin. <i>Journal of the American Chemical Society</i> , 2014, 136, 8430-8437.	13.7	76
35	A membranous form of ICAM-1 on exosomes efficiently blocks leukocyte adhesion to activated endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 251-256.	2.1	71
36	Glycyrrhizin Alleviates Neuroinflammation and Memory Deficit Induced by Systemic Lipopolysaccharide Treatment in Mice. <i>Molecules</i> , 2013, 18, 15788-15803.	3.8	66

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37	An endoplasmic reticulum-selective ratiometric fluorescent probe for imaging a copper pool. <i>Chemical Communications</i> , 2017, 53, 4457-4460.	4.1	65
38	Dual-functional fluorescent molecular rotor for endoplasmic reticulum microviscosity imaging during reticulophagy. <i>Chemical Communications</i> , 2019, 55, 2453-2456.	4.1	63
39	Î±-Asarone Ameliorates Memory Deficit in Lipopolysaccharide-Treated Mice via Suppression of Pro-Inflammatory Cytokines and Microglial Activation. <i>Biomolecules and Therapeutics</i> , 2014, 22, 17-26.	2.4	62
40	Biotin-guided anticancer drug delivery with acidity-triggered drug release. <i>Chemical Communications</i> , 2015, 51, 9343-9345.	4.1	61
41	DNA array reveals altered gene expression in response to focal cerebral ischemia. <i>Brain Research Bulletin</i> , 2002, 58, 491-498.	3.0	59
42	Tetrandrine cytotoxicity and its dual effect on oxidative stress-induced apoptosis through modulating cellular redox states in Neuro 2a mouse neuroblastoma cells. <i>Life Sciences</i> , 2002, 71, 2053-2066.	4.3	58
43	A carboxylesterase-selective ratiometric fluorescent two-photon probe and its application to hepatocytes and liver tissues. <i>Chemical Science</i> , 2016, 7, 3703-3709.	7.4	54
44	Highly selective fluorescence imaging of zinc distribution in HeLa cells and Arabidopsis using a naphthalene-based fluorescent probe. <i>Chemical Communications</i> , 2015, 51, 7463-7465.	4.1	53
45	Effects of <i>Atractylodes macrocephala</i> Koidzumi rhizome on 3T3-L1 adipogenesis and an animal model of obesity. <i>Journal of Ethnopharmacology</i> , 2011, 137, 396-402.	4.1	52
46	A biotin-guided fluorescent-peptide drug delivery system for cancer treatment. <i>Chemical Communications</i> , 2014, 50, 7690.	4.1	49
47	High-depth fluorescence imaging using a two-photon FRET system for mitochondrial pH in live cells and tissues. <i>Chemical Communications</i> , 2018, 54, 13531-13534.	4.1	48
48	BODIPYâ€“Coumarin Conjugate as an Endoplasmic Reticulum Membrane Fluidity Sensor and Its Application to ER Stress Models. <i>Bioconjugate Chemistry</i> , 2015, 26, 2474-2480.	3.6	44
49	Naphthalimide-4-(4-nitrophenyl)thiosemicarbazide: A Fluorescent Probe for Simultaneous Monitoring of Viscosity and Nitric Oxide in Living Cells. <i>Analytical Chemistry</i> , 2021, 93, 4391-4397.	6.5	42
50	Selective removal and quantification of Cu(ii) using fluorescent iminocoumarin-functionalized magnetic nanosilica. <i>Chemical Communications</i> , 2012, 48, 5082.	4.1	36
51	A fluorescent probe for the Fe ³⁺ ion pool in endoplasmic reticulum in liver cells. <i>Dyes and Pigments</i> , 2016, 130, 245-250.	3.7	36
52	Indomethacin-guided cancer selective prodrug conjugate activated by histone deacetylase and tumour-associated protease. <i>Chemical Communications</i> , 2016, 52, 9965-9968.	4.1	35
53	A cysteamine-selective two-photon fluorescent probe for ratiometric bioimaging. <i>Chemical Communications</i> , 2015, 51, 2407-2410.	4.1	34
54	Effects of Tetramethylpyrazine on Microglia Activation in Spinal Cord Compression Injury of Mice. <i>The American Journal of Chinese Medicine</i> , 2013, 41, 1361-1376.	3.8	29

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55	Inhibitory effects of 5-chloroacetyl-2-piperidino-1,3-selenazole, a novel selenium-containing compound, on skin melanin biosynthesis. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 352-359.	2.4	24
56	A Fluorescent Probe for Stimulated Emission Depletion Super-Resolution Imaging of Vicinal-Dithiol-Proteins on Mitochondrial Membrane. <i>Bioconjugate Chemistry</i> , 2018, 29, 1446-1453.	3.6	24
57	<i>Zingiber officinale</i> Protects HaCaT cells and C57BL/6 Mice from Ultraviolet B-Induced Inflammation. <i>Journal of Medicinal Food</i> , 2010, 13, 673-680.	1.5	23
58	Glycyrrhetic acid as a hepatocyte targeting unit for an anticancer drug delivery system with enhanced cell type selectivity. <i>Chemical Communications</i> , 2018, 54, 12353-12356.	4.1	22
59	A red-emitting styrylnaphthalimide-based fluorescent probe providing a ratiometric signal change for the precise and quantitative detection of H ₂ O ₂ . <i>Analytica Chimica Acta</i> , 2019, 1080, 153-161.	5.4	21
60	Detection of A β plaques in mouse brain by using a disaggregation-induced fluorescence-enhancing probe. <i>Chemical Communications</i> , 2014, 50, 5741.	4.1	18
61	A far-red, photo- and bio-stable fluorescent marker selective to the endoplasmic reticulum and its application to tunicamycin-treated HeLa cells. <i>Chemical Communications</i> , 2016, 52, 7134-7137.	4.1	18
62	Enhanced Aggregability of AIE-Based Probe through H ₂ S-Selective Triggered Dimerization and Its Applications to Biological Systems. <i>ACS Omega</i> , 2019, 4, 7176-7181.	3.5	17
63	Highly sensitive and simple fluorescence staining of proteins in sodium dodecyl sulfate-polyacrylamide-based gels by using hydrophobic tail-mediated enhancement of fluorescein luminescence. <i>Electrophoresis</i> , 2003, 24, 3297-3304.	2.4	16
64	Modulating the GSH/Trx selectivity of a fluorogenic disulfide-based thiol sensor to reveal diminished GSH levels under ER stress. <i>Chemical Communications</i> , 2018, 54, 8897-8900.	4.1	16
65	Self-Calibrating Bipartite Fluorescent Sensor for Nitroreductase Activity and Its Application to Cancer and Hypoxic Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 2052-2057.	4.6	16
66	Fluorescent Hydrophobic Probes Based on Intramolecular Charge Transfer State for Sensitive Protein Detection in Solution. <i>Chemistry Letters</i> , 2004, 33, 690-691.	1.3	15
67	Camptothecin delivery into hepatoma cell line by galactose-appended fluorescent drug delivery system. <i>RSC Advances</i> , 2014, 4, 18744.	3.6	15
68	Binary Drug Reinforced First Small-Molecule-Based Prodrug for Synergistic Anticancer Effects. <i>ACS Applied Bio Materials</i> , 2019, 2, 3532-3539.	4.6	15
69	Effect of <i>Achyranthes bidentata</i> Blume on 3T3-L1 Adipogenesis and Rats Fed with a High-Fat Diet. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-7.	1.2	14
70	BODIPY/Nileâ€Redâ€Based Efficient FRET Pair: Selective Assay of Endoplasmic Reticulum Membrane Fluidity. <i>Chemistry - an Asian Journal</i> , 2016, 11, 527-531.	3.3	14
71	Visualization of vesicular transport from the endoplasmic reticulum to lysosome using an amidine derived two-photon probe. <i>Chemical Communications</i> , 2017, 53, 6097-6100.	4.1	14
72	Targeted tumor detection: guidelines for developing biotinylated diagnostics. <i>Chemical Communications</i> , 2017, 53, 2154-2157.	4.1	13

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73	A transducible nuclear/nucleolar protein, mLLP, regulates neuronal morphogenesis and synaptic transmission. <i>Scientific Reports</i> , 2016, 6, 22892.	3.3	12
74	Flavin-mediated photo-oxidation for the detection of mitochondrial flavins. <i>Chemical Communications</i> , 2016, 52, 13487-13490.	4.1	9
75	Revealing Protein Aggregates under Thapsigargin-Induced ER Stress Using an ER-Targeted Thioflavin. <i>ACS Sensors</i> , 2019, 4, 2858-2863.	7.8	8
76	Chunghyuldan attenuates brain microglial inflammatory response. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 448-454.	1.4	7
77	Neuroprotective effect of Chunghyuldan (Qing Xue Dan) on hypoxia-reoxygenation induced damage of neuroblastoma 2a cell lines. <i>Chinese Journal of Integrative Medicine</i> , 2013, 19, 940-944.	1.6	7
78	New Fluorescent Stains for Protein Detection in Sodium Dodecyl Sulfate-Polyacrylamide Gels. <i>Chemistry Letters</i> , 2004, 33, 318-319.	1.3	5
79	Binary Prodrug of Dichloroacetic Acid and Doxorubicin with Enhanced Anticancer Activity. <i>ACS Applied Bio Materials</i> , 2021, 4, 2026-2032.	4.6	5
80	Endoplasmic Reticulum Targeting Reactive Oxygen Species Sensor Based on Dihydrofluorescein: Application of Endoplasmic Reticulum Stress. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 279-285.	1.9	5
81	HepG2 Cell Resistance against Camptothecin from a Lysosomal Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2695-2700.	3.3	4
82	Small polyanion recognition of a triazolium cyclodextrin click cluster in water. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8291-8297.	2.8	3
83	Viability Studies of Cells on Nanostructured Surfaces With Various Feature Sizes. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1447-1454.	1.9	3
84	Fluorescent Hydrophobic Probes Based on Intramolecular Charge Transfer State for Sensitive Protein Detection in Solution.. <i>ChemInform</i> , 2004, 35, no.	0.0	1
85	Chemistry of the carboxylic acid of dihydrofluorescein in oxidation and its application to fluorogenic ROS sensing. <i>Free Radical Research</i> , 2021, 55, 461-468.	3.3	1
86	An indole-based fluorescent chemosensor targeting the autophagosome. <i>Chemical Communications</i> , 2022, 58, 2886-2889.	4.1	1
87	New Fluorescent Stains for Protein Detection in Sodium Dodecyl Sulfate-Polyacrylamide Gels.. <i>ChemInform</i> , 2004, 35, no.	0.0	0