

Lupei Du

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117
papers

2,186
citations

25
h-index

40
g-index

126
ext. papers

2,541
ext. citations

6
avg, IF

4.92
L-index

#	Paper	IF	Citations
117	Cage the firefly luciferin! - a strategy for developing bioluminescent probes. <i>Chemical Society Reviews</i> , 2013 , 42, 662-76	58.5	143
116	Selecting aptamers for a glycoprotein through the incorporation of the boronic acid moiety. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12636-8	16.4	107
115	Discovery and structural characterization of a small molecule 14-3-3 protein-protein interaction inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16212-7	11.5	77
114	Bioluminescent probe for hydrogen peroxide imaging in vitro and in vivo. <i>Analytical Chemistry</i> , 2014 , 86, 9800-6	7.8	75
113	How to improve docking accuracy of AutoDock4.2: a case study using different electrostatic potentials. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 188-200	6.1	70
112	Store-operated CRAC channel inhibitors: opportunities and challenges. <i>Future Medicinal Chemistry</i> , 2016 , 8, 817-32	4.1	65
111	Real-Time Bioluminescence Imaging of Nitroreductase in Mouse Model. <i>Analytical Chemistry</i> , 2016 , 88, 5610-4	7.8	60
110	Rational Design of a Fluorescent Hydrogen Peroxide Probe Based on the Umbelliferone Fluorophore. <i>Tetrahedron Letters</i> , 2008 , 49, 3045-3048	2	59
109	Coumarin-based fluorescent probes for H ₂ S detection. <i>Journal of Fluorescence</i> , 2013 , 23, 181-6	2.4	54
108	A Fluorescent Hydrogen Peroxide Probe Based on a 'Click' Modified Coumarin Fluorophore. <i>Tetrahedron Letters</i> , 2010 , 51, 1152-1154	2	52
107	A novel structure-based virtual screening model for the hERG channel blockers. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 889-94	3.4	52
106	The pharmacophore hypotheses of I(Kr) potassium channel blockers: novel class III antiarrhythmic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 4771-7	2.9	45
105	Aptamer-based carbohydrate recognition. <i>Current Pharmaceutical Design</i> , 2010 , 16, 2269-78	3.3	44
104	Toward fluorescent probes for G-protein-coupled receptors (GPCRs). <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8187-203	8.3	43
103	Lighting up bioluminescence with coelenterazine: strategies and applications. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 466-80	4.2	42
102	Discovery of bioluminogenic probes for aminopeptidase N imaging. <i>Analytical Chemistry</i> , 2014 , 86, 2747-58	7.8	42
101	cybLuc: An Effective Aminoluciferin Derivative for Deep Bioluminescence Imaging. <i>Analytical Chemistry</i> , 2017 , 89, 4808-4816	7.8	40

100	The first ratiometric fluorescent probes for aminopeptidase N cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 378-82	3.9	39
99	Design strategy for photoinduced electron transfer-based small-molecule fluorescent probes of biomacromolecules. <i>Analyt. Chem.</i> , 2014 , 139, 2641-9	5	38
98	A benzothiazole-based fluorescent probe for thiol bioimaging. <i>Tetrahedron Letters</i> , 2012 , 53, 2332-2335	2	36
97	Naphthalimide-based fluorescent off/on probes for the detection of thiols. <i>Tetrahedron</i> , 2012 , 68, 5363-5367	5.3	35
96	A novel pH sensitive fluorescent probe for lysosome imaging. <i>RSC Advances</i> , 2013 , 3, 13412	3.7	29
95	A novel hydrazino-substituted naphthalimide-based fluorogenic probe for tert-butoxy radicals. <i>Chemical Communications</i> , 2013 , 49, 6295-7	5.8	28
94	Store-Operated Calcium Entry Mediated by Orai and STIM. <i>Comprehensive Physiology</i> , 2018 , 8, 981-1002	7.7	28
93	Discovery of the First Environment-Sensitive Near-Infrared (NIR) Fluorogenic Ligand for β -Adrenergic Receptors Imaging in Vivo. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 2151-62	8.3	25
92	How to generate reliable and predictive CoMFA models. <i>Current Medicinal Chemistry</i> , 2011 , 18, 923-30	4.3	25
91	Environment-Sensitive Fluorescent Probe for the Human Ether-a-go-go-Related Gene Potassium Channel. <i>Analytical Chemistry</i> , 2016 , 88, 1511-5	7.8	24
90	Computational studies of the binding site of alpha1A-adrenoceptor antagonists. <i>Journal of Molecular Modeling</i> , 2008 , 14, 957-66	2	24
89	Bioluminescent Probe for Tumor Hypoxia Detection via CYP450 Reductase in Living Animals. <i>Analytical Chemistry</i> , 2017 , 89, 12488-12493	7.8	22
88	Characterization of binding site of closed-state KCNQ1 potassium channel by homology modeling, molecular docking, and pharmacophore identification. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 332, 677-87	3.4	22
87	Bioluminescent Probe for Detecting Mercury(II) in Living Mice. <i>Analytical Chemistry</i> , 2016 , 88, 7462-5	7.8	21
86	Strategies in the design of small-molecule fluorescent probes for peptidases. <i>Medicinal Research Reviews</i> , 2014 , 34, 1217-41	14.4	21
85	Fluorogenic probe for the human Ether-a-Go-Go-Related Gene potassium channel imaging. <i>Analytical Chemistry</i> , 2015 , 87, 2550-4	7.8	21
84	Advances and perspectives in cell-specific aptamers. <i>Current Pharmaceutical Design</i> , 2011 , 17, 80-91	3.3	21
83	Modeling the binding modes of Kv1.5 potassium channel and blockers. <i>Journal of Molecular Graphics and Modelling</i> , 2008 , 27, 178-87	2.8	21

82	Biological characteristics and agonists of GPR120 (FFAR4) receptor: the present status of research. <i>Future Medicinal Chemistry</i> , 2015 , 7, 1457-68	4.1	20
81	Bioluminescent probe for detecting endogenous hypochlorite in living mice. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 645-651	3.9	20
80	Discovery of Quinazoline-Based Fluorescent Probes to β -Adrenergic Receptors. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 502-6	4.3	19
79	Discovery of novel FFA4 (GPR120) receptor agonists with β arrestin2-biased characteristics. <i>Future Medicinal Chemistry</i> , 2015 , 7, 2429-37	4.1	19
78	The first ratiometric fluorescent probe for aminopeptidase N. <i>Analytical Methods</i> , 2012 , 4, 2661	3.2	19
77	Self-organizing molecular field analysis on alpha(1a)-adrenoceptor dihydropyridine antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3945-51	3.4	19
76	In Vivo Bioluminescence Imaging of Cobalt Accumulation in a Mouse Model. <i>Analytical Chemistry</i> , 2018 , 90, 4946-4950	7.8	18
75	A novel coelenterate luciferin-based luminescent probe for selective and sensitive detection of thiophenols. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10267-10274	3.9	17
74	Discovery of Small-Molecule Inhibitors of the HSP90-Calcineurin-NFAT Pathway against Glioblastoma. <i>Cell Chemical Biology</i> , 2019 , 26, 352-365.e7	8.2	15
73	Alkaloids and flavonoids as β 1-adrenergic receptor antagonists. <i>Current Medicinal Chemistry</i> , 2011 , 18, 4923-32	4.3	15
72	Optical Control of CRAC Channels Using Photoswitchable Azopyrazoles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9460-9470	16.4	14
71	Bioluminescent Probe for Monitoring Endogenous Fibroblast Activation Protein-Alpha. <i>Analytical Chemistry</i> , 2019 , 91, 14873-14878	7.8	14
70	The interactions between hERG potassium channel and blockers. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 330-8	3	14
69	Bioluminescence probe for β glutamyl transpeptidase detection in vivo. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 134-140	3.4	14
68	A fluorescent probe for imaging p53-MDM2 protein-protein interaction. <i>Chemical Biology and Drug Design</i> , 2015 , 85, 411-7	2.9	13
67	Synthesis and biological evaluation of a series of aryl triazoles as firefly luciferase inhibitors. <i>MedChemComm</i> , 2015 , 6, 418-424	5	13
66	First small-molecule PROTACs for G protein-coupled receptors: inducing β -adrenergic receptor degradation. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 1669-1679	15.5	13
65	Bioluminescent Probe for Detection of Starvation-Induced Pantetheinase Upregulation. <i>Analytical Chemistry</i> , 2018 , 90, 9545-9550	7.8	13

64	Strategies for atrial fibrillation therapy: focusing on IKur potassium channel. <i>Expert Opinion on Therapeutic Patents</i> , 2007 , 17, 1443-1456	6.8	13
63	Prolonged bioluminescence imaging in living cells and mice using novel pro-substrates for Renilla luciferase. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 10238-10244	3.9	12
62	Luminescence of coelenterazine derivatives with C-8 extended electronic conjugation. <i>Chinese Chemical Letters</i> , 2016 , 27, 550-554	8.1	12
61	Discovery of the First Environment-Sensitive Fluorescent Probe for GPR120 (FFA4) Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 428-432	4.3	11
60	In vivo bioluminescence imaging of labile iron pools in a murine model of sepsis with a highly selective probe. <i>Talanta</i> , 2019 , 203, 29-33	6.2	11
59	Discovery of Turn-On Fluorescent Probes for Detecting Bcl-2 Protein. <i>Analytical Chemistry</i> , 2019 , 91, 5722-5728	7.8	11
58	A novel NBD-based pH sensitive fluorescent probe equipped with the N-phenylpiperazine group for lysosome imaging. <i>RSC Advances</i> , 2016 , 6, 102773-102777	3.7	11
57	A coelenterazine-type bioluminescent probe for nitroreductase imaging. <i>Organic and Biomolecular Chemistry</i> , 2017 , 16, 146-151	3.9	11
56	Inhibiting Firefly Bioluminescence by Chalcones. <i>Analytical Chemistry</i> , 2017 , 89, 6099-6105	7.8	10
55	Visualization of mercury(II) accumulation in vivo using bioluminescence imaging with a highly selective probe. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2388-2392	3.9	10
54	Astemizole Derivatives as Fluorescent Probes for hERG Potassium Channel Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 245-9	4.3	10
53	New bioluminescent coelenterazine derivatives with various C-6 substitutions. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 7008-7018	3.9	10
52	Discovery of Fluorescence Polarization Probe for the ELISA-Based Antagonist Screening of β -Adrenergic Receptors. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 967-971	4.3	9
51	A bestatin-based fluorescent probe for aminopeptidase N cell imaging. <i>Chinese Chemical Letters</i> , 2015 , 26, 513-516	8.1	9
50	Modeling the interactions between alpha(1)-adrenergic receptors and their antagonists. <i>Current Computer-Aided Drug Design</i> , 2010 , 6, 165-78	1.4	9
49	Pharmacophore Mapping for Kv1.5 Potassium Channel Blockers. <i>QSAR and Combinatorial Science</i> , 2009 , 28, 59-71		9
48	Molecular hybridization, synthesis, and biological evaluation of novel chroman I(Kr) and I(Ks) dual blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1477-80	2.9	9
47	Discovery of a Turn-On Fluorescent Probe for Myeloid Cell Leukemia-1 Protein. <i>Analytical Chemistry</i> , 2017 , 89, 11173-11177	7.8	8

- 46 Environment-sensitive turn-on fluorescent probes for p53-MDM2 protein-protein interaction. *MedChemComm*, **2017**, 8, 1668-1672 5 8
- 45 Discovery of a series of 2-phenylnaphthalenes as firefly luciferase inhibitors. *RSC Advances*, **2015**, 5, 63450-63457 5.7 7
- 44 Discovery of Environment-Sensitive Fluorescent Agonists for β -Adrenergic Receptors. *Analytical Chemistry*, **2019**, 91, 12173-12180 7.8 7
- 43 Structure-based virtual screening and electrophysiological evaluation of new chemotypes of K(v)1.5 channel blockers. *ChemMedChem*, **2010**, 5, 1353-8 3.7 7
- 42 Zebrafish neuro-behavioral profiles altered by acesulfame (ACE) within the range of "no observed effect concentrations (NOECs)". *Chemosphere*, **2020**, 243, 125431 8.4 7
- 41 A specific and selective chemiluminescent probe for Pd²⁺ detection. *Chinese Chemical Letters*, **2019**, 30, 63-66 8.1 7
- 40 Quenching the firefly bioluminescence by various ions. *Photochemical and Photobiological Sciences*, **2016**, 15, 244-9 4.2 6
- 39 Novel photoactivatable substrates for Renilla luciferase imaging in vitro and in vivo. *Organic and Biomolecular Chemistry*, **2018**, 16, 4789-4792 3.9 6
- 38 Update on the slow delayed rectifier potassium current (I(Ks)): role in modulating cardiac function. *Current Medicinal Chemistry*, **2012**, 19, 1405-20 4.3 6
- 37 Visualization of β -adrenergic receptors with phenylpiperazine-based fluorescent probes. *Science China Chemistry*, **2016**, 59, 624-628 7.9 5
- 36 Design, synthesis and biological evaluation of naphthalimide-based fluorescent probes for β -adrenergic receptors. *Drug Discoveries and Therapeutics*, **2014**, 8, 11-7 5 5
- 35 Design of OFF/ON fluorescent thiol probes based on coumarin fluorophore. *Science China Chemistry*, **2012**, 55, 1776-1780 7.9 5
- 34 Boronate can be the fluorogenic switch for the detection of hydrogen peroxide. *Current Medicinal Chemistry*, **2012**, 19, 3622-34 4.3 5
- 33 A bioluminescent strategy for imaging palladium in living cells and animals with chemoselective probes based on luciferin-luciferase system. *Talanta*, **2019**, 194, 925-929 6.2 5
- 32 Identification of AI-2 Quorum Sensing Inhibitors in *Vibrio harveyi* Through Structure-Based Virtual Screening. *Methods in Molecular Biology*, **2018**, 1673, 353-362 1.4 5
- 31 Development of photocontrolled BRD4 PROTACs for tongue squamous cell carcinoma (TSCC). *European Journal of Medicinal Chemistry*, **2021**, 222, 113608 6.8 5
- 30 BioLeT: A new design strategy for functional bioluminogenic probes. *Chinese Chemical Letters*, **2015**, 26, 919-921 8.1 4
- 29 Discovery of Turn-On Fluorescent Probes for Detecting PDE1 Protein in Living Cells and Tumor Slices. *Analytical Chemistry*, **2020**, 92, 9516-9522 7.8 4

28	Environment-sensitive fluorescent inhibitors of histone deacetylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127128	2.9	4
27	Discovery of Small-Molecule Sulfonamide Fluorescent Probes for GPR120. <i>Analytical Chemistry</i> , 2019 , 91, 15235-15239	7.8	4
26	Bifunctional fluorescent probes for hydrogen peroxide and diols based on a 1,8-naphthalimide fluorophore. <i>Science China Chemistry</i> , 2013 , 56, 1440-1445	7.9	4
25	Lighting up GPCRs with a fluorescent multiprobe dubbed "Snifit". <i>ChemBioChem</i> , 2013 , 14, 184-6	3.8	4
24	Astemizole-based turn-on fluorescent probes for imaging hERG potassium channel. <i>MedChemComm</i> , 2019 , 10, 513-516	5	4
23	Aminoluciferin 4-hydroxyphenyl amide enables bioluminescence detection of endogenous tyrosinase. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 9197-9203	3.9	4
22	Polarity-based fluorescence probes: properties and applications. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 1826-1838	5.3	4
21	Novel intramolecular photoinduced electron transfer-based probe for the Human Ether-a-go-go-Related Gene (hERG) potassium channel. <i>Analyst, The</i> , 2015 , 140, 8101-8	5	3
20	Novel NanoLuc-type substrates with various C-6 substitutions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127085	2.9	3
19	Discovery of naphthalimide conjugates as fluorescent probes for β -adrenoceptors. <i>Chinese Chemical Letters</i> , 2016 , 27, 185-189	8.1	3
18	Design, synthesis and biological evaluation of 4-chromanone derivatives as IKr inhibitors. <i>Drug Discoveries and Therapeutics</i> , 2014 , 8, 76-83	5	3
17	Drug discoveries towards Kv1.5 potassium channel. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 339-43	5.3	3
16	Novel caged luciferin derivatives can prolong bioluminescence imaging and .. <i>RSC Advances</i> , 2018 , 8, 19596-19599	3.7	2
15	Bright chemiluminescent dioxetane probes for the detection of gaseous transmitter HS. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 46, 128148	2.9	2
14	Aggregation-Induced Emission: Lighting Up hERG Potassium Channel. <i>Frontiers in Chemistry</i> , 2019 , 7, 54	5	1
13	Bioluminogenic Imaging of AminopeptidaseN In Vitro and In Vivo. <i>Methods in Molecular Biology</i> , 2016 , 1461, 91-9	1.4	1
12	Multiple rapid-responsive probes towards hypochlorite detection based on dioxetane luminophore derivatives. <i>Journal of Pharmaceutical Analysis</i> , 2021 ,	14	1
11	Au-24 as a Potential Thioredoxin Reductase Inhibitor in Hepatocellular Carcinoma Cells.. <i>Pharmacological Research</i> , 2022 , 177, 106113	10.2	0

10	Photoinduced Electron Transfer-Based Fluorescent Agonists for β Adrenergic Receptors Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 6034-6042	7.8	o
9	Novel furimazine derivatives for nanoluciferase bioluminescence with various C-6 and C-8 substituents. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 7930-7936	3.9	o
8	Phenotyping Aquatic Neurotoxicity Induced by the Artificial Sweetener Saccharin at Sublethal Concentration Levels. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2041-2050	5.7	o
7	Fluorescent Ligand-Based Discovery of Small-Molecule Sulfonamide Agonists for GPR120.. <i>Frontiers in Chemistry</i> , 2022 , 10, 816014	5	
6	Visualization-Based Discovery of Vanin-1 Inhibitors for Colitis.. <i>Frontiers in Chemistry</i> , 2021 , 9, 809495	5	
5	Discovery of small-molecule fluorescent probes for C-Met.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 230, 114114	6.8	
4	How to Fluorescently Label the Potassium Channel: A Case in hERG. <i>Current Medicinal Chemistry</i> , 2020 , 27, 3046-3054	4.3	
3	NBD-Based Environment-Sensitive Fluorescent Probes for the Human Ether-a-Go-Go-Related Gene Potassium Channel. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 666605	5.6	
2	Discovery of the Environment-Sensitive Near-Infrared (NIR) Fluorogenic Ligand for β Adrenergic Receptors Imaging In Vivo. <i>Methods in Molecular Biology</i> , 2021 , 2274, 181-192	1.4	
1	Design, synthesis and biological evaluation of new parbendazole derivatives for the treatment of HNSCC.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 238, 114450	6.8	