

Xian-Feng Gu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,596
citations

19
h-index

39
g-index

53
ext. papers

1,903
ext. citations

5.4
avg, IF

4.76
L-index

#	Paper	IF	Citations
52	Genus zero surface conformal mapping and its application to brain surface mapping. <i>IEEE Transactions on Medical Imaging</i> , 2004 , 23, 949-58	11.7	361
51	Discrete surface Ricci flow. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2008 , 14, 1030-43	4	168
50	A boron-dipyrromethene-based fluorescent probe for colorimetric and ratiometric detection of sulfite. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 11935-9	5.7	133
49	Photoacoustic probes for real-time tracking of endogenous HS in living mice. <i>Chemical Science</i> , 2017 , 8, 2150-2155	9.4	91
48	A molecular design strategy toward enzyme-activated probes with near-infrared I and II fluorescence for targeted cancer imaging. <i>Chemical Science</i> , 2019 , 10, 7222-7227	9.4	65
47	Development of a boron-dipyrromethene-Cu ²⁺ ensemble based colorimetric probe toward hydrogen sulfide in aqueous media. <i>Tetrahedron Letters</i> , 2011 , 52, 5000-5003	2	58
46	Realizing highly chemoselective detection of HS <i>in vitro</i> and <i>in vivo</i> with fluorescent probes inside core-shell silica nanoparticles. <i>Biomaterials</i> , 2018 , 159, 82-90	15.6	55
45	Aggregation Enhanced Responsiveness of Rationally Designed Probes to Hydrogen Sulfide for Targeted Cancer Imaging. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15084-15090	16.4	44
44	A near-infrared fluorescent probe for monitoring fluvastatin-stimulated endogenous H ₂ S production. <i>Chinese Chemical Letters</i> , 2017 , 28, 218-221	8.1	37
43	Novel Angiogenic Activity and Molecular Mechanisms of ZYZ-803, a Slow-Releasing Hydrogen Sulfide-Nitric Oxide Hybrid Molecule. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 498-514	8.4	36
42	Synthesis and biological evaluation of novel leonurine-SPRC conjugate as cardioprotective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 6942-6	2.9	34
41	Generalized Discrete Ricci Flow. <i>Computer Graphics Forum</i> , 2009 , 28, 2005-2014	2.4	33
40	Authalic parameterization of general surfaces using Lie advection. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011 , 17, 2005-14	4	32
39	A discrete uniformization theorem for polyhedral surfaces II. <i>Journal of Differential Geometry</i> , 2018 , 109,	1.7	30
38	Leonurine-cysteine analog conjugates as a new class of multifunctional anti-myocardial ischemia agent. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 3996-4009	6.8	28
37	A novel fluorescent probe for imaging endogenous hydrogen sulphide via the CSE enzymatic pathway. <i>Chemical Communications</i> , 2015 , 51, 13135-7	5.8	27
36	The unified discrete surface Ricci flow. <i>Graphical Models</i> , 2014 , 76, 321-339	0.9	27

35	Imaging of ovarian cancers using enzyme activatable probes with second near-infrared window emission. <i>Chemical Communications</i> , 2020 , 56, 2731-2734	5.8	26
34	Generation of Aryl Radicals from Aryl Halides: Rongalite-Promoted Transition-Metal-Free Arylation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9946-9956	4.2	26
33	Free-Radical-Promoted Copper-Catalyzed Intermolecular Cyanosulfonylation and Cyanotrifluoromethylation of Unactivated Alkenes in Water-Containing Solvents. <i>Journal of Organic Chemistry</i> , 2018 , 83, 13267-13275	4.2	17
32	Precise imaging of mitochondria in cancer cells by real-time monitoring of nitroreductase activity with a targetable and activatable fluorescent probe. <i>Chemical Communications</i> , 2020 , 56, 7761-7764	5.8	15
31	Fine Regulation of Porous Architectures of Core-Shell Silica Nanocomposites Offers Robust Nanoprobes with Accelerated Responsiveness. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35588-35596	9.5	14
30	Hydrogen Sulfide-Specific and NIR-Light-Controllable Synergistic Activation of Fluorescent Theranostic Prodrugs for Imaging-Guided Chemo-Photothermal Cancer Therapy. <i>CCS Chemistry</i> , 2020 , 2, 527-538	7.2	13
29	Near-infrared fluorescent dyes with large Stokes shifts: light generation in BODIPYs undergoing excited state intramolecular proton transfer. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 4072-4076	3.9	12
28	ZYZ451 protects cardiomyocytes from hypoxia-induced apoptosis via enhancing MnSOD and STAT3 interaction. <i>Free Radical Biology and Medicine</i> , 2016 , 92, 1-14	7.8	12
27	Mitochondria-targeting BODIPY-loaded micelles as novel class of photosensitizer for photodynamic therapy. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 599-609	6.8	12
26	Development of a highly selective H ₂ S fluorescent probe and its application to evaluate CSE inhibitors. <i>RSC Advances</i> , 2014 , 4, 50097-50101	3.7	12
25	Imaging of Senescent Vascular Cells in Atherosclerotic Mice Using a β -Galactosidase-Activatable Nanoprobe. <i>Analytical Chemistry</i> , 2020 , 92, 12613-12621	7.8	12
24	Discovery of N-indanyl benzamides as potent ROR β inverse agonists. <i>European Journal of Medicinal Chemistry</i> , 2019 , 167, 37-48	6.8	11
23	Novel rhynchophylline analogues as microvascular relaxation agents for the treatment of microvascular dysfunction caused by diabetes. <i>European Journal of Medicinal Chemistry</i> , 2017 , 139, 657-664	6.8	11
22	Automatic Shape Control of Triangular B-Splines of Arbitrary Topology. <i>Journal of Computer Science and Technology</i> , 2006 , 21, 232-237	1.7	11
21	Design of BODIPY-based near-infrared fluorescent probes for H ₂ S. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 355, 305-310	4.7	10
20	A novel fluorescent probe for discrimination of Cys from GSH: inspiration from chemical ligation. <i>Tetrahedron Letters</i> , 2016 , 57, 578-581	2	10
19	3,5-Dimethoxy-4-(3-(2-carbonyl-ethyl-disulfanyl)-propionyl)-benzoic acid 4-guanidino-butyl ester: a novel twin drug that prevents primary cardiac myocytes from hypoxia-induced apoptosis. <i>European Journal of Pharmacology</i> , 2013 , 700, 118-26	5.3	10
18	A Novel Rhynchophylline Analog, Y396, Inhibits Endothelial Dysfunction Induced by Oxidative Stress in Diabetes Through Epidermal Growth Factor Receptor. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 743-765	8.4	10

17	A Faster Resonance Energy Transfer Switchable Fluorescent Probe With HS-Activated Second Near-Infrared Emission for Bioimaging. <i>Frontiers in Chemistry</i> , 2019 , 7, 778	5	10
16	Molecular Mechanism of Action of ROR β Agonists and Inverse Agonists: Insights from Molecular Dynamics Simulation. <i>Molecules</i> , 2018 , 23,	4.8	10
15	Conformal mesh parameterization using discrete Calabi flow. <i>Computer Aided Geometric Design</i> , 2018 , 63, 96-108	1.2	9
14	The discovery of a novel inhibitor of apoptotic protease activating factor-1 (Apaf-1) for ischemic heart: synthesis, activity and target identification. <i>Scientific Reports</i> , 2016 , 6, 29820	4.9	9
13	The novel analogue of hirsutine as an anti-hypertension and vasodilatory agent both in vitro and in vivo. <i>PLoS ONE</i> , 2015 , 10, e0119477	3.7	9
12	Rational design of fluorescent probes for targeted in vivo nitroreductase visualization. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 4744-4747	3.9	7
11	Synthesis and biological evaluation of the codrug of Leonurine and Aspirin as cardioprotective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 4650-4654	2.9	6
10	BRAIN SURFACE CONFORMAL PARAMETERIZATION WITH THE RICCI FLOW 2007 ,		6
9	Real-Time Monitoring Renal Impairment Due to Drug-Induced AKI and Diabetes-Caused CKD Using an NAG-Activatable NIR-II Nanoprobe. <i>Analytical Chemistry</i> , 2021 , 93, 16158-16165	7.8	5
8	An electron-deficiency-based framework for NIR-II fluorescence probes. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9877-9880	7.3	5
7	Discrete Calabi Flow: A Unified Conformal Parameterization Method. <i>Computer Graphics Forum</i> , 2019 , 38, 707-720	2.4	5
6	Tumor microenvironment-activated nanosystems with selenophenol substituted BODIPYs as photosensitizers for photodynamic therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126854	2.9	4
5	Design of fluorescent probes with optimized responsiveness and selectivity to GSH. <i>Tetrahedron Letters</i> , 2019 , 60, 1226-1230	2	3
4	Rational design of water-dispersible and biocompatible nanoprobe with HS-triggered NIR emission for cancer cell imaging. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6013-6016	7.3	3
3	Discovery of novel small-molecule Src kinase inhibitors via a kinase-focused druglikeness rule and structure-based virtual screening. <i>Molecular Simulation</i> , 2014 , 40, 341-348	2	1
2	An activatable fluorescent probe for imaging endogenous nitric oxide via the eNOS enzymatic pathway.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 59, 128544	2.9	1
1	A water-soluble fluorescent probe for real-time visualization of β -glutamyl transpeptidase activity in living cells.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 68, 128762	2.9	