

Sung-Bae Kim

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,192
citations

430442

18
h-index

395343

33
g-index

70
all docs

70
docs citations

70
times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Fluorescence and Bioluminescence Imaging. <i>Analytical Chemistry</i> , 2013, 85, 590-609.	3.2	186
2	High-throughput sensing and noninvasive imaging of protein nuclear transport by using reconstitution of split Renilla luciferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11542-11547.	3.3	118
3	Superluminescent Variants of Marine Luciferases for Bioassays. <i>Analytical Chemistry</i> , 2011, 83, 8732-8740.	3.2	85
4	Bioluminescent Indicator for Determining Protein-Protein Interactions Using Intramolecular Complementation of Split Click Beetle Luciferase. <i>Analytical Chemistry</i> , 2007, 79, 4820-4826.	3.2	66
5	Split Gaussia Luciferase-Based Bioluminescence Template for Tracing Protein Dynamics in Living Cells. <i>Analytical Chemistry</i> , 2009, 81, 67-74.	3.2	55
6	An Integrated-Molecule-Format Multicolor Probe for Monitoring Multiple Activities of a Bioactive Small Molecule. <i>ACS Chemical Biology</i> , 2008, 3, 359-372.	1.6	53
7	Creation of Artificial Luciferases for Bioassays. <i>Bioconjugate Chemistry</i> , 2013, 24, 2067-2075.	1.8	41
8	Integrated Molecule-Format Bioluminescent Probe for Visualizing Androgenicity of Ligands Based on the Intramolecular Association of Androgen Receptor with Its Recognition Peptide. <i>Analytical Chemistry</i> , 2007, 79, 1874-1880.	3.2	39
9	Nongenomic Activity of Ligands in the Association of Androgen Receptor with Src. <i>ACS Chemical Biology</i> , 2007, 2, 484-492.	1.6	35
10	Highly bright and stable NIR-BRET with blue-shifted coelenterazine derivatives for deep-tissue imaging of molecular events <i>in vivo</i> . <i>Theranostics</i> , 2019, 9, 2646-2661.	4.6	31
11	A Bioluminescent Probe for Salivary Cortisol. <i>Bioconjugate Chemistry</i> , 2011, 22, 1835-1841.	1.8	27
12	Luciferase-Specific Coelenterazine Analogues for Optical Contamination-Free Bioassays. <i>Scientific Reports</i> , 2017, 7, 908.	1.6	26
13	Genetically Encoded Stress Indicator for Noninvasively Imaging Endogenous Corticosterone in Living Mice. <i>Analytical Chemistry</i> , 2005, 77, 6588-6593.	3.2	24
14	Molecular Tension-Indexed Bioluminescent Probe for Determining Protein-Protein Interactions. <i>Bioconjugate Chemistry</i> , 2009, 20, 2324-2330.	1.8	23
15	Functional artificial luciferases as an optical readout for bioassays. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 418-423.	1.0	23
16	Azide- and Dye-Conjugated Coelenterazine Analogues for a Multiplex Molecular Imaging Platform. <i>Bioconjugate Chemistry</i> , 2018, 29, 1922-1931.	1.8	23
17	Quantitative Determination of Protein Nuclear Transport Induced by Phosphorylation or by Proteolysis. <i>Analytical Chemistry</i> , 2005, 77, 6928-6934.	3.2	21
18	Fabrication of a New Lineage of Artificial Luciferases from Natural Luciferase Pools. <i>ACS Combinatorial Science</i> , 2017, 19, 594-599.	3.8	20

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19	Biothiol-Activatable Bioluminescent Coelenterazine Derivative for Molecular Imaging in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 9546-9553.	3.2	19
20	Bioluminescent Imaging Systems for Assay Developments. <i>Analytical Sciences</i> , 2021, 37, 233-247.	0.8	19
21	Microtiter Plate-Format Optode. <i>Analytical Chemistry</i> , 1998, 70, 4860-4863.	3.2	18
22	Circularly Permutated Bioluminescent Probes for Illuminating Ligand-Activated Protein Dynamics. <i>Bioconjugate Chemistry</i> , 2008, 19, 2480-2486.	1.8	17
23	Labor-effective manipulation of marine and beetle luciferases for bioassays. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 261-269.	1.0	16
24	Genetically Encoded Molecular Tension Probe for Tracing Protein-Protein Interactions in Mammalian Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 354-362.	1.8	16
25	Determination of protamine using microtiter plate-format optodes. <i>Analytica Chimica Acta</i> , 2001, 439, 47-53.	2.6	15
26	Genetically Encoded Bioluminescent Indicators for Stress Hormones. <i>Analytical Chemistry</i> , 2009, 81, 3760-3768.	3.2	15
27	Bioluminescent Capsules for Live-Cell Imaging. <i>Bioconjugate Chemistry</i> , 2012, 23, 2221-2228.	1.8	15
28	Near-Infrared Bioluminescence Imaging with a through-Bond Energy Transfer Cassette. <i>ChemBioChem</i> , 2019, 20, 1919-1923.	1.3	15
29	Color-tunable bioluminescence imaging portfolio for cell imaging. <i>Scientific Reports</i> , 2021, 11, 2219.	1.6	15
30	A genetically encoded indicator for assaying bioactive chemicals that induce nuclear transport of glucocorticoid receptor. <i>Analytical Biochemistry</i> , 2005, 347, 213-220.	1.1	13
31	Quantitative determination of heparin levels in serum with microtiter plate-format optode. <i>Analytica Chimica Acta</i> , 2006, 557, 117-122.	2.6	11
32	A proinflammatory cytokine sensor cell for assaying inflammatory activities of nanoparticles. <i>Analytical Biochemistry</i> , 2007, 362, 148-150.	1.1	10
33	Determination of the Androgenicity of Ligands Using a Single-chain Probe Carrying Androgen Receptor N-Terminal Peptides. <i>Analytical Sciences</i> , 2009, 25, 1415-1420.	0.8	10
34	Creating bioluminescent indicators to visualise biological events in living cells and animals. <i>Supramolecular Chemistry</i> , 2010, 22, 440-449.	1.5	9
35	Intelligent Design of Nano-Scale Molecular Imaging Agents. <i>International Journal of Molecular Sciences</i> , 2012, 13, 16986-17005.	1.8	9
36	Ligand-activated BRET9 imaging for measuring protein-protein interactions in living mice. <i>Chemical Communications</i> , 2020, 56, 281-284.	2.2	9

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37	Cation-driven Optical Properties of Artificial Luciferases. <i>Analytical Sciences</i> , 2015, 31, 955-960.	0.8	8
38	In vitro Determination of Rapamycin-triggered FKBP-FRB Interactions Using a Molecular Tension Probe. <i>Analytical Sciences</i> , 2019, 35, 71-78.	0.8	7
39	A Screening Method for Estrogens Using an Array-Type DNA Glass Slide. <i>Analytical Sciences</i> , 2003, 19, 499-504.	0.8	5
40	A method for determining the activities of cytokines based on the nuclear transport of nuclear factor- κ B. <i>Analytical Biochemistry</i> , 2006, 359, 147-149.	1.1	5
41	A Bioluminescent Assay System for Whole-Cell Determination of Hormones. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 706-713.	0.6	5
42	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. <i>ACS Combinatorial Science</i> , 2019, 21, 473-481.	3.8	5
43	Highly sensitive eight-channel light sensing system for biomedical applications. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 524-529.	1.6	3
44	A genetically encoded bioluminescent indicator for illuminating proinflammatory cytokines. <i>MethodsX</i> , 2016, 3, 483-489.	0.7	2
45	Fabrication of Bioluminescent Capsules and Live-Cell Imaging. <i>Methods in Molecular Biology</i> , 2014, 1098, 117-125.	0.4	2
46	How to Fabricate Functional Artificial Luciferases for Bioassays. <i>Methods in Molecular Biology</i> , 2016, 1461, 43-53.	0.4	1
47	Near-Infrared Bioluminescence Imaging of Animal Cells with Through-Bond Energy Transfer Cassette. <i>Methods in Molecular Biology</i> , 2021, 2274, 103-110.	0.4	1
48	Root extract of <i>Angelica reflexa</i> B.Y.Lee reduces allergic lung inflammation by regulating Th2 cell activation. <i>Journal of Ethnopharmacology</i> , 2021, 269, 113752.	2.0	1
49	Molecular Imaging Probes Based on Bioluminescence and Fluorescence. <i>Bunseki Kagaku</i> , 2009, 58, 435-446.	0.1	0
50	Nanoscale Titanium Dioxide Particles Modulate Signaling Cascades for Tumor Necrosis Factor- α Release from Macrophages. <i>Journal of Health Science</i> , 2011, 57, 177-183.	0.9	0
51	Creation of Bioassay Systems Using Bioluminescence. <i>Bunseki Kagaku</i> , 2013, 62, 637-644.	0.1	0
52	Fabrication of molecular tension probes. <i>MethodsX</i> , 2016, 3, 261-267.	0.7	0
53	Fabrication of Molecular Strain Probes for Illuminating Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2016, 1461, 175-182.	0.4	0
54	An ALuc-Based Molecular Tension Probe for Sensing Intramolecular Protein-Protein Interactions. <i>Methods in Molecular Biology</i> , 2016, 1461, 183-193.	0.4	0

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55	Splitting-free Bioluminescence Imaging Probes and Their Applications. <i>Bunseki Kagaku</i> , 2016, 65, 361-369.	0.1	0
56	Single-Chain Probes for Illuminating Androgenicity of Chemicals. <i>Methods in Molecular Biology</i> , 2016, 1461, 143-151.	0.4	0
57	A Multichannel Bioluminescence Determination Platform for Bioassays. <i>Methods in Molecular Biology</i> , 2016, 1461, 271-278.	0.4	0
58	Highly Bright NIR-BRET System for Imaging Molecular Events in Live Cells. <i>Methods in Molecular Biology</i> , 2021, 2274, 247-259.	0.4	0
59	Luciferase-Specific Coelenterazine Analogues for Optical Cross Talk-Free Bioassays. <i>Methods in Molecular Biology</i> , 2021, 2274, 127-138.	0.4	0
60	Azide- and Dye-Conjugated Coelenterazine Analogues for Imaging Mammalian Cells. <i>Methods in Molecular Biology</i> , 2021, 2274, 111-126.	0.4	0
61	A New Lineage of Artificial Luciferases for Mammalian Cell Imaging. <i>Methods in Molecular Biology</i> , 2021, 2274, 43-51.	0.4	0
62	Ligand-Activatable BRET9 Probes for Imaging Molecular Events in Living Mammalian Cells. <i>Methods in Molecular Biology</i> , 2021, 2274, 261-270.	0.4	0
63	Recent Advances in Molecular Imaging Technologies with Luciferases. <i>Journal of the Japan Society of Colour Material</i> , 2015, 88, 407-411.	0.0	0
64	Multicolor Imaging of Bifacial Activities of Estrogens. <i>Methods in Molecular Biology</i> , 2016, 1461, 153-163.	0.4	0
65	A Bioluminescence Assay System for Imaging Metal Cationic Activities in Urban Aerosols. <i>Methods in Molecular Biology</i> , 2016, 1461, 279-287.	0.4	0
66	Circular Permutation Probes for Illuminating Phosphorylation of Estrogen Receptor. <i>Methods in Molecular Biology</i> , 2016, 1461, 165-173.	0.4	0