

# Hyun-Woo Rhee

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,964  
citations

270111

25  
h-index

223390

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

6532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proximity labeling: an enzymatic tool for spatial biology. Trends in Biotechnology, 2022, 40, 145-148.	4.9	17
2	A chemical tool for blue light-inducible proximity photo-crosslinking in live cells. Chemical Science, 2022, 13, 955-966.	3.7	14
3	Valosinâ€containing protein regulates the stability of fused in sarcoma granules in cells by changing ATP concentrations. FEBS Letters, 2022, 596, 1412-1423.	1.3	1
4	Inositol polyphosphate multikinase physically binds to the SWI/SNF complex and modulates BRG1 occupancy in mouse embryonic stem cells. ELife, 2022, 11, .	2.8	5
5	Molecular Spatiomics by Proximity Labeling. Accounts of Chemical Research, 2022, 55, 1411-1422.	7.6	23
6	Emerging role of LETM1/GRP78 axis in lung cancer. Cell Death and Disease, 2022, 13, .	2.7	7
7	LONP1 and ClpP cooperatively regulate mitochondrial proteostasis for cancer cell survival. Oncogenesis, 2021, 10, 18.	2.1	37
8	Dynamic tracking and identification of tissue-specific secretory proteins in the circulation of live mice. Nature Communications, 2021, 12, 5204.	5.8	39
9	Spatial Regulation of Reactive Oxygen Species via G6PD in Brown Adipocytes Supports Thermogenic Function. Diabetes, 2021, 70, 2756-2770.	0.3	9
10	Analysing the mechanism of mitochondrial oxidation-induced cell death using a multifunctional iridium(III) photosensitiser. Nature Communications, 2021, 12, 26.	5.8	32
11	APEX, a Master Key To Resolve Membrane Topology in Live Cells. Biochemistry, 2020, 59, 250-259.	1.2	10
12	Supra-blot: an accurate and reliable assay for detecting target proteins with a synthetic host moleculeâ€enzyme hybrid. Chemical Communications, 2020, 56, 1549-1552.	2.2	9
13	Photoâ€crosslinking: An Emerging Chemical Tool for Investigating Molecular Networks in Live Cells. ChemBioChem, 2020, 21, 924-932.	1.3	40
14	Split-TurboID enables contact-dependent proximity labeling in cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12143-12154.	3.3	179
15	Contact-ID, a tool for profiling organelle contact sites, reveals regulatory proteins of mitochondrial-associated membrane formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12109-12120.	3.3	117
16	Bright ligand-activatable fluorescent protein for high-quality multicolor live-cell super-resolution microscopy. Nature Communications, 2020, 11, 273.	5.8	31
17	NSUN2 introduces 5-methylcytosines in mammalian mitochondrial tRNAs. Nucleic Acids Research, 2019, 47, 8720-8733.	6.5	84
18	Direct Identification of Biotinylated Proteins from Proximity Labeling (Spot-BioID). Methods in Molecular Biology, 2019, 2008, 97-105.	0.4	9

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19	The structure of human EXD2 reveals a chimeric 3' to 5' exonuclease domain that discriminates substrates via metal coordination. <i>Nucleic Acids Research</i> , 2019, 47, 7078-7093.	6.5	29
20	Chemical strategies to modify amyloidogenic peptides using iridium(III) complexes: coordination and photo-induced oxidation. <i>Chemical Science</i> , 2019, 10, 6855-6862.	3.7	20
21	PK4 Augments Mitochondria Contact to Dampen Skeletal Muscle Insulin Signaling During Obesity. <i>Diabetes</i> , 2019, 68, 571-586.	0.3	116
22	Reduction-Triggered Self-Cross-Linked Hyperbranched Polyglycerol Nanogels for Intracellular Delivery of Drugs and Proteins. <i>Macromolecular Bioscience</i> , 2018, 18, e1700356.	2.1	16
23	PKR Senses Nuclear and Mitochondrial Signals by Interacting with Endogenous Double-Stranded RNAs. <i>Molecular Cell</i> , 2018, 71, 1051-1063.e6.	4.5	156
24	Architecture Mapping of the Inner Mitochondrial Membrane Proteome by Chemical Tools in Live Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 3651-3662.	6.6	69
25	Genetically Encodable Bacterial Flavin Transferase for Fluorogenic Protein Modification in Mammalian Cells. <i>ACS Synthetic Biology</i> , 2017, 6, 667-677.	1.9	7
26	Structure-guided synthesis of a protein-based fluorescent sensor for alkyl halides. <i>Chemical Communications</i> , 2017, 53, 9226-9229.	2.2	19
27	An Iridium(III) Complex as a Photoactivatable Tool for Oxidation of Amyloidogenic Peptides with Subsequent Modulation of Peptide Aggregation. <i>Chemistry - A European Journal</i> , 2017, 23, 1645-1653.	1.7	33
28	Endoplasmic Reticulum-Localized Iridium(III) Complexes as Efficient Photodynamic Therapy Agents via Protein Modifications. <i>Journal of the American Chemical Society</i> , 2016, 138, 10968-10977.	6.6	330
29	Proximity-Directed Labeling Reveals a New Rapamycin-Induced Heterodimer of FKBP25 and FRB in Live Cells. <i>ACS Central Science</i> , 2016, 2, 506-516.	5.3	39
30	APEX Fingerprinting Reveals the Subcellular Localization of Proteins of Interest. <i>Cell Reports</i> , 2016, 15, 1837-1847.	2.9	153
31	In Cellulo Mapping of Subcellular Localized Bilirubin. <i>ACS Chemical Biology</i> , 2016, 11, 2177-2185.	1.6	21
32	An enhanced ascorbate peroxidase 2/antibody-binding domain fusion protein (APEX2-ABD) as a recombinant target-specific signal amplifier. <i>Chemical Communications</i> , 2015, 51, 10945-10948.	2.2	18
33	Homogeneous Electrochemical Assay for Protein Kinase Activity. <i>Analytical Chemistry</i> , 2014, 86, 10992-10995.	3.2	30
34	Microfluidic bead-based sensing platform for monitoring kinase activity. <i>Biosensors and Bioelectronics</i> , 2014, 57, 1-9.	5.3	18
35	Proteomic Mapping of the Human Mitochondrial Intermembrane Space in Live Cells via Ratiometric APEX Tagging. <i>Molecular Cell</i> , 2014, 55, 332-341.	4.5	414
36	An Artificial Tongue Fluorescent Sensor Array for Identification and Quantitation of Various Heavy Metal Ions. <i>Analytical Chemistry</i> , 2014, 86, 8763-8769.	3.2	91

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37	Focused Fluorescent Probe Library for Metal Cations and Biological Anions. ACS Combinatorial Science, 2013, 15, 483-490.	3.8	17
38	Fluorescent probes designed for detecting human serum albumin on the basis of its pseudo-esterase activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2093-2097.	1.0	25
39	Proteomic Mapping of Mitochondria in Living Cells via Spatially Restricted Enzymatic Tagging. Science, 2013, 339, 1328-1331.	6.0	1,023
40	Fluorescent Assay of Cyclic Nucleotide Phosphodiesterase Activity in a Neutral Aqueous Solution. Bulletin of the Korean Chemical Society, 2013, 34, 31-32.	1.0	0
41	Activity-based fluorescent probes for monitoring sulfatase activity. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4939-4941.	1.0	11
42	Fluorescent sensing system for palladium(II) based on the Heck reaction. Tetrahedron Letters, 2011, 52, 1512-1514.	0.7	24
43	Detection of Kinase Activity Using Versatile Fluorescence Quencher Probes. Angewandte Chemie - International Edition, 2010, 49, 4919-4923.	7.2	53
44	Label-free fluorescent real-time monitoring of adenylyl cyclase. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 1145-1147.	1.0	4
45	A metazoan ortholog of SpoT hydrolyzes ppGpp and functions in starvation responses. Nature Structural and Molecular Biology, 2010, 17, 1188-1194.	3.6	112
46	Two Novel Point Mutations in Clinical Staphylococcus aureus Reduce Linezolid Susceptibility and Switch on the Stringent Response to Promote Persistent Infection. PLoS Pathogens, 2010, 6, e1000944.	2.1	191
47	A Bifunctional Molecule as an Artificial Flavin Mononucleotide Cyclase and a Chemosensor for Selective Fluorescent Detection of Flavins. Journal of the American Chemical Society, 2009, 131, 10107-10112.	6.6	78
48	Selective Fluorescent Chemosensor for the Bacterial Alarmone (p)ppGpp. Journal of the American Chemical Society, 2008, 130, 784-785.	6.6	96
49	Selective Fluorescent Detection of Flavin Adenine Dinucleotide in Human Eosinophils by Using Bis(Zn <sup>2+</sup> -Dipicolylamine) Complex. Journal of the American Chemical Society, 2007, 129, 4524-4525.	6.6	64
50	Endomembrane Systems are Reorganized by ORF3a and Membrane (M) of SARS-CoV-2. SSRN Electronic Journal, 0, , .	0.4	2