

# Yong Woong Jun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2088067/publications.pdf>

Version: 2024-02-01

46  
papers

1,512  
citations

331670

21  
h-index

315739

38  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2038  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Photon Absorbing Dyes with Minimal Autofluorescence in Tissue Imaging: Application to <i>in Vivo</i> Imaging of Amyloid- $\beta^2$ Plaques with a Negligible Background Signal. <i>Journal of the American Chemical Society</i> , 2015, 137, 6781-6789.	13.7	181
2	Addressing the autofluorescence issue in deep tissue imaging by two-photon microscopy: the significance of far-red emitting dyes. <i>Chemical Science</i> , 2017, 8, 7696-7704.	7.4	132
3	A two-photon fluorescent probe for ratiometric imaging of endogenous hypochlorous acid in live cells and tissues. <i>Chemical Communications</i> , 2017, 53, 10800-10803.	4.1	93
4	An Endeavor in the Reaction-Based Approach to Fluorescent Probes for Biorelevant Analytes: Challenges and Achievements. <i>Accounts of Chemical Research</i> , 2019, 52, 2571-2581.	15.6	90
5	A Ratiometric Two-Photon Fluorescent Probe for Tracking Lysosomal ATP: Direct <i>In</i> ...Cellulo Observation of Lysosomal Membrane Fusion Processes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10142-10147.	13.8	79
6	Frontiers in Probing Alzheimer's Disease Biomarkers with Fluorescent Small Molecules. <i>ACS Central Science</i> , 2019, 5, 209-217.	11.3	72
7	Synthesis of Benzocoumarins and Characterization of Their Photophysical Properties. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 1089-1096.	2.7	66
8	A two-photon fluorescent probe for lysosomal zinc ions. <i>Chemical Communications</i> , 2016, 52, 124-127.	4.1	62
9	Fine-Tuning of CD8 + T Cell Mitochondrial Metabolism by the Respiratory Chain Repressor MCJ Dictates Protection to Influenza Virus. <i>Immunity</i> , 2016, 44, 1299-1311.	14.3	61
10	Ratiometric Imaging of Tissue by Two-Photon Microscopy: Observation of a High Level of Formaldehyde around Mouse Intestinal Crypts. <i>Analytical Chemistry</i> , 2017, 89, 3724-3731.	6.5	61
11	A fluorescent probe for bisulfite ions: its application to two-photon tissue imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7888-7894.	5.8	58
12	A benzocoumarin based two-photon fluorescent probe for ratiometric detection of bisulfite. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 576-583.	7.8	47
13	A Study on Hypoxia Susceptibility of Organ Tissues by Fluorescence Imaging with a Ratiometric Nitroreductase Probe. <i>ACS Sensors</i> , 2021, 6, 148-155.	7.8	47
14	Far-red/near-infrared emitting, two-photon absorbing, and bio-stable amino-Si-pyronin dyes. <i>Chemical Science</i> , 2019, 10, 9028-9037.	7.4	37
15	Two-photon absorbing 8-hydroxy-benzo[ <i>g</i> ]coumarins with giant Stokes shifts: an environment-insensitive dye platform for probing biomolecules. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4446-4452.	5.8	33
16	Molecular Probes for Fluorescence Imaging of ATP in Cells and Tissues. <i>ChemPhotoChem</i> , 2019, 3, 214-219.	3.0	33
17	Ratiometric Imaging of $\beta$ -Glutamyl Transpeptidase Unperturbed by pH, Polarity, and Viscosity Changes: A Benzocoumarin-Based Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2019, 91, 14101-14108.	6.5	31
18	Thermally Induced Silane Dehydrocoupling on Silicon Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6423-6427.	13.8	28

#	ARTICLE	IF	CITATIONS
19	Small Substrate or Large? Debate Over the Mechanism of Glycation Adduct Repair by DJ-1. <i>Cell Chemical Biology</i> , 2020, 27, 1117-1123.	5.2	27
20	A Ratiometric Two-Photon Fluorescent Probe for Tracking Lysosomal ATP: Direct In-Cellulo Observation of Lysosomal Membrane Fusion Processes. <i>Angewandte Chemie</i> , 2018, 130, 10299-10304.	2.0	24
21	A systematic study on the discrepancy of fluorescence properties between in solutions and in cells: super-bright, environment-insensitive benzocoumarin dyes. <i>Chemical Communications</i> , 2020, 56, 10556-10559.	4.1	24
22	A caveat to common hemicyanine dye components and their resolution. <i>Chemical Communications</i> , 2020, 56, 7025-7028.	4.1	19
23	Synthesis of Near-Infrared-Emitting Benzorhodamines and Their Applications to Bioimaging and Photothermal Therapy. <i>Chemistry - A European Journal</i> , 2020, 26, 11549-11557.	3.3	17
24	DNA Tiling Enables Precise Acylation-Based Labeling and Control of mRNA. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26798-26805.	13.8	17
25	Two-photon fluorescent probe for hydrogen sulfide based on a red-emitting benzocoumarin dye. <i>Tetrahedron Letters</i> , 2018, 59, 49-53.	1.4	16
26	Water-Soluble Pyrrolo[3,2- <i>b</i> ]pyrroles: Synthesis, Luminescence and Two-Photon Cellular Imaging Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 278-281.	2.7	15
27	Thermally Induced Silane Dehydrocoupling on Silicon Nanostructures. <i>Angewandte Chemie</i> , 2016, 128, 6533-6537.	2.0	13
28	A Dipolar Anthracene Dye: Synthesis, Optical Properties and Two-Photon Tissue Imaging. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2518-2523.	3.3	11
29	Dual probing of redox species, NAD(P)H and HOCl, with a benzo[ <i>a</i> ]phenoxazine based far red-emitting dye. <i>Tetrahedron Letters</i> , 2018, 59, 3210-3213.	1.4	11
30	Fluorescence Imaging of Mitochondrial DNA Base Excision Repair Reveals Dynamics of Oxidative Stress Responses. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
31	A fluorescent hydrazone exchange probe of pyridoxal phosphate for the assessment of vitamin B6 status. <i>Chemical Communications</i> , 2020, 56, 317-320.	4.1	10
32	Dipolar Dyes with a Pyrrolo[2,3- <i>b</i> ]quinoxaline Skeleton Containing a Cyano Group and a Bridged Tertiary Amino Group: Synthesis, Solvatochromism, and Bioimaging. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1718-1724.	3.3	9
33	Modified Isoindole-1-one as Bright Fluorescent Probes for Cell and Tissue Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 13354-13362.	3.3	9
34	An Excimer Clamp for Measuring Damaged-Base Excision by the DNA Repair Enzyme NTH1. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7450-7455.	13.8	9
35	Three-photon tissue imaging using moxifloxacin. <i>Scientific Reports</i> , 2018, 8, 9415.	3.3	8
36	Exploration of Molecular Shape-Dependent Luminescence Behavior: Fluorogenic Organic Nanoparticles Based on Bent Shaped Excited-State Intramolecular Proton-Transfer Dyes. <i>ACS Applied Bio Materials</i> , 2018, 1, 136-145.	4.6	8

#	ARTICLE	IF	CITATIONS
37	Fluorescent Probes for Analysis and Imaging of Monoamine Oxidase Activity. Bulletin of the Korean Chemical Society, 2014, 35, 1269-1274.	1.9	5
38	Lavender violet, blue and pink: A new type of benzo[ a ]phenoxazine-based dipolar, red-emitting dyes. Dyes and Pigments, 2017, 142, 161-166.	3.7	5
39	Fluorescent Labeling of Lysine Residues in Protein using 8-ethiomethyl-BODIPY. Bulletin of the Korean Chemical Society, 2017, 38, 995-996.	1.9	5
40	Control of RNA with quinone methide reversible acylating reagents. Organic and Biomolecular Chemistry, 2021, 19, 8367-8376.	2.8	5
41	Environment-insensitive two-photon ratiometric probe for in cellulo quantitative measurement of hydrogen peroxide. Results in Chemistry, 2021, 3, 100117.	2.0	5
42	Discrimination of Invasive Human Skin Tumor Using an Ultrafast ATP-Proton AND-Gate Probe. ACS Sensors, 2022, 7, 1068-1074.	7.8	5
43	An Excimer Clamp for Measuring Damaged-Base Excision by the DNA Repair Enzyme NTH1. Angewandte Chemie, 2020, 132, 7520-7525.	2.0	4
44	Fluorescence Imaging of Mitochondrial DNA Base Excision Repair Reveals Dynamics of Oxidative Stress Responses. Angewandte Chemie, 2022, 134, .	2.0	4
45	Enhancing Repair of Oxidative DNA Damage with Small-Molecule Activators of MTH1. ACS Chemical Biology, 2022, 17, 2074-2087.	3.4	4
46	DNA tiling enables precise acylation-based labeling and control of mRNA. Angewandte Chemie, 2021, 133, 27002.	2.0	1