Byung-Kuk Yoo

List of Publications by Year
in descending order

25	404	687363 13	752698 20
papers	citations	h-index	g-index

26	26	26	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale-Femtosecond Imaging of Evanescent Surface Plasmons on Silver Film by Photon-Induced Near-Field Electron Microscopy. Nano Letters, 2022, 22, 2009-2015.	9.1	4
2	Ultrafast dynamics of heme distortion in the O2-sensor of a thermophilic anaerobe bacterium. Communications Chemistry, 2021, 4, .	4.5	4
3	CaMn 3 IV O 4 Cubane Models of the Oxygenâ€Evolving Complex: Spin Ground States S <9/2 and the Effect of Oxo Protonation. Angewandte Chemie, 2021, 133, 17812-17820.	2.0	1
4	CaMn₃^{IV}O₄ Cubane Models of the Oxygenâ€Evolving Complex: Spin Ground States S<9/2 and the Effect of Oxo Protonation. Angewandte Chemie - International Edition, 2021, 60, 17671-17679.	13.8	14
5	4D electron microscopy of T cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22014-22019.	7.1	6
6	Time-resolved spectroscopy of the ensembled photoluminescence of nitrogen- and boron/nitrogen-doped carbon dots. Physical Chemistry Chemical Physics, 2018, 20, 11673-11681.	2.8	27
7	Optical Quenching of Magnetic Vortex Visualized In Situ by Lorentz Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 912-913.	0.4	0
8	Optical manipulation of magnetic vortices visualized in situ by Lorentz electron microscopy. Science Advances, 2018, 4, eaat3077.	10.3	39
9	Photonâ€Induced Nearâ€Field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie - International Edition, 2017, 56, 11498-11501.	13.8	13
10	Photonâ€Induced Nearâ€Field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie, 2017, 129, 11656-11659.	2.0	0
11	Structural changes and picosecond to second dynamics of cytochrome c in interaction with nitric oxide in ferrous and ferric redox states. Physical Chemistry Chemical Physics, 2017, 19, 21317-21334.	2.8	14
12	On the dynamical nature of the active center in a single-site photocatalyst visualized by 4D ultrafast electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 503-508.	7.1	37
13	Observing in space and time the ephemeral nucleation of liquid-to-crystal phase transitions. Nature Communications, 2015, 6, 8639.	12.8	18
14	Biochemical perturbations of the mitotic spindle in Xenopus extracts using a diffusion-based microfluidic assay. Biomicrofluidics, 2015, 9, 044101.	2.4	2
15	Motion of proximal histidine and structural allosteric transition in soluble guanylate cyclase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1697-704.	7.1	21
16	Reactivity and Dynamics of H₂S, NO, and O₂ Interacting with Hemoglobins from Lucina pectinata. Biochemistry, 2013, 52, 7007-7021.	2.5	35
17	Picosecond Binding of the His Ligand to Four-Coordinate Heme in Cytochrome câ€²: A One-Way Gate for Releasing Proximal NO. Journal of the American Chemical Society, 2013, 135, 3248-3254.	13.7	15
18	Quaternary Structure Controls Ligand Dynamics in Soluble Guanylate Cyclase. Journal of Biological Chemistry, 2012, 287, 6851-6859.	3.4	18

#	Article	IF	Citations
19	Picosecond to Second Dynamics Reveals a Structural Transition in Clostridium botulinum NO-Sensor Triggered by the Activator BAY-41-2272. ACS Chemical Biology, 2012, 7, 2046-2054.	3.4	22
20	Absorption Band III Kinetics Probe the Picosecond Heme Iron Motion Triggered by Nitric Oxide Binding to Hemoglobin and Myoglobin. Journal of Physical Chemistry B, 2012, 116, 4106-4114.	2.6	15
21	Confinement induces actin flow in a meiotic cytoplasm. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11705-11710.	7.1	50
22	Anomalous Acid-Base Equilibria in Biologically Relevant Water Nanopools. Bulletin of the Korean Chemical Society, 2012, 33, 3493-3496.	1.9	3
23	Picosecond primary structural transition of the heme is retarded after nitric oxide binding to heme proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13678-13683.	7.1	45
24	Rebinding of Proximal Histidine in the Cytochrome c' from Alcaligenes xylosoxidans Acts as a Molecular Trap for Nitric Oxide. Springer Series in Chemical Physics, 2009, , 556-558.	0.2	1
25	Understanding the NO-Sensing Mechanism at Molecular Level. Springer Proceedings in Physics, 2008, , 517-524.	0.2	0