

Kosuke Dodo

List of Publications by Year in descending order

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81
papers

2,720
citations

218677

26
h-index

189892

50
g-index

90
all docs

90
docs citations

90
times ranked

3427
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkyne-Tag Raman Imaging for Visualization of Mobile Small Molecules in Live Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 20681-20689.	13.7	370
2	Raman and SERS microscopy for molecular imaging of live cells. <i>Nature Protocols</i> , 2013, 8, 677-692.	12.0	304
3	Imaging of EdU, an Alkyne-Tagged Cell Proliferation Probe, by Raman Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 6102-6105.	13.7	302
4	The Translation Inhibitor Rocaglamide Targets a Bimolecular Cavity between eIF4A and Polypurine RNA. <i>Molecular Cell</i> , 2019, 73, 738-748.e9.	9.7	128
5	Sphingomyelin distribution in lipid rafts of artificial monolayer membranes visualized by Raman microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4558-4563.	7.1	113
6	Turn-ON fluorescent affinity labeling using a small bifunctional O-nitrobenzoxadiazole unit. <i>Chemical Science</i> , 2014, 5, 1021-1029.	7.4	76
7	Alkyne-Tag SERS Screening and Identification of Small-Molecule-Binding Sites in Protein. <i>Journal of the American Chemical Society</i> , 2016, 138, 13901-13910.	13.7	76
8	Synthesis of the novel analogues of dysidiolide and their structure-activity relationship. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2571-2574.	2.2	66
9	Discovery of Oxysterol-Derived Pharmacological Chaperones for NPC1: Implication for the Existence of Second Sterol-Binding Site. <i>Chemistry and Biology</i> , 2013, 20, 391-402.	6.0	61
10	Inhibition of hydrogen peroxide-induced necrotic cell death with 3-amino-2-indolylmaleimide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3114-3118.	2.2	57
11	VDAC3 gating is activated by suppression of disulfide-bond formation between the N-terminal region and the bottom of the pore. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3188-3196.	2.6	57
12	A sensitive and specific Raman probe based on bisarylbutadiyne for live cell imaging of mitochondria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 664-667.	2.2	48
13	Simultaneous imaging of protonated and deprotonated carbonylcyanide p-trifluoromethoxyphenylhydrazone in live cells by Raman microscopy. <i>Chemical Communications</i> , 2014, 50, 1341-1343.	4.1	45
14	Antiproliferative and apoptosis-inducing activities of alkyl gallate and gallamide derivatives related to (âˆ“)epigallocatechin gallate. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7975-7982.	3.0	42
15	Concise asymmetric synthesis of dysidiolide. <i>Tetrahedron Letters</i> , 2000, 41, 2111-2114.	1.4	39
16	Quantitative Drug Dynamics Visualized by Alkyne-Tagged Plasmonic-Enhanced Raman Microscopy. <i>ACS Nano</i> , 2020, 14, 15032-15041.	14.6	39
17	Epidithiodiketopiperazine as a pharmacophore for protein lysine methyltransferase G9a inhibitors: Reducing cytotoxicity by structural simplification. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 733-736.	2.2	37
18	Dual targeting of DDX3 and eIF4A by the translation inhibitor rocaglamide A. <i>Cell Chemical Biology</i> , 2021, 28, 475-486.e8.	5.2	37

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19	Co-existence of α -glucosidase-inhibitory and liver X receptor-regulatory activities and their separation by structural development. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 4272-4285.	3.0	35
20	Novel Small Molecule Nonpeptide Aminopeptidase N Inhibitors with a Cyclic Imide Skeleton. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1999, 14, 259-275.	0.5	33
21	Design and synthesis of dysidiolide analogs from vitamin D3: novel class of Cdc25A inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3291-3294.	2.2	32
22	LXXLL peptide mimetics as inhibitors of the interaction of vitamin D receptor with coactivators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1712-1717.	2.2	32
23	Unnatural enantiomer of chaetocin shows strong apoptosis-inducing activity through caspase-8/caspase-3 activation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5085-5088.	2.2	32
24	A decade of alkyne-tag Raman imaging (ATRI): applications in biological systems. <i>RSC Chemical Biology</i> , 2021, 2, 1415-1429.	4.1	32
25	Hyperoxidation of ether-linked phospholipids accelerates neutrophil extracellular trap formation. <i>Scientific Reports</i> , 2017, 7, 16026.	3.3	29
26	Retinobenzaldehydes as proper-trafficking inducers of folding-defective P23H rhodopsin mutant responsible for Retinitis Pigmentosa. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7022-7028.	3.0	28
27	Structure-activity relationship of N-methyl-bisindolylmaleimide derivatives as cell death inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3109-3113.	2.2	27
28	Platinum-Catalyzed Friedel-Crafts Type C-H Coupling-Allylic Amination Cascade to Synthesize 3,4-Fused Tricyclic Indoles. <i>Chemistry - A European Journal</i> , 2016, 22, 4418-4421.	3.3	27
29	Synthesis of a novel class of cdc25A inhibitors from vitamin D 3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 615-617.	2.2	25
30	Structure-activity relationship of benzodiazepine derivatives as LXXLL peptide mimetics that inhibit the interaction of vitamin D receptor with coactivators. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 993-1005.	3.0	24
31	Synthesis of deuterated δ^3 -linolenic acid and application for biological studies: metabolic tuning and Raman imaging. <i>Chemical Communications</i> , 2021, 57, 2180-2183.	4.1	24
32	Synthesis and biological activities of chaetocin and its derivatives. <i>Pure and Applied Chemistry</i> , 2012, 84, 1369-1378.	1.9	22
33	Development of a <i>Vaccinia</i> H1-Related (VHR) Phosphatase Inhibitor with a Nonacidic Phosphate-Mimicking Core Structure. <i>ChemMedChem</i> , 2011, 6, 617-622.	3.2	20
34	Structure-activity relationships of oxysterol-derived pharmacological chaperones for Niemann-Pick type C1 protein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3480-3485.	2.2	20
35	Noncanonical Function of a Small-Molecular Virulence Factor Coronatine against Plant Immunity: An <i>In Vivo</i> Raman Imaging Approach. <i>ACS Central Science</i> , 2017, 3, 462-472.	11.3	20
36	Phenanthridin-6-one derivatives as the first class of non-steroidal pharmacological chaperones for Niemann-Pick disease type C1 protein. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2781-2787.	2.2	20

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37	Crystal structural characterization reveals novel oligomeric interactions of human voltage-dependent anion channel 1. <i>Protein Science</i> , 2017, 26, 1749-1758.	7.6	20
38	Small-molecular inhibitors of Ca ²⁺ -induced mitochondrial permeability transition (MPT) derived from muscle relaxant dantrolene. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6384-6393.	3.0	19
39	Unique features of chiral palladium enolates derived from β -ketoamide: structure and catalytic asymmetric Michael and α -fluorination reactions. <i>Tetrahedron</i> , 2015, 71, 6594-6601.	1.9	19
40	Development of selective inhibitors of necrosis. <i>Chemical Record</i> , 2010, 10, 308-314.	5.8	18
41	Structure-activity relationship study of non-steroidal NPC1L1 ligands identified through cell-based assay using pharmacological chaperone effect as a readout. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3587-3609.	3.0	18
42	Deuteration of terminal alkynes realizes simultaneous live cell Raman imaging of similar alkyne-tagged biomolecules. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8232-8236.	2.8	18
43	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2989-2994.	3.0	17
44	Structure-Activity Relationship of Bis-Galloyl Derivatives Related to (-)-Epigallocatechin Gallate. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 190-194.	1.3	15
45	Dual function of coronatine as a bacterial virulence factor against plants: possible COI1-dependent JAZ-independent role. <i>RSC Advances</i> , 2016, 6, 19404-19412.	3.6	15
46	Specific fluorescence labeling of target proteins by using a ligand-4-azidophthalimide conjugate. <i>Chemical Communications</i> , 2017, 53, 8751-8754.	4.1	15
47	Multiwell Raman plate reader for high-throughput biochemical screening. <i>Scientific Reports</i> , 2021, 11, 15742.	3.3	13
48	Structure-activity relationship studies of Niemann-Pick type C1-like 1 (NPC1L1) ligands identified by screening assay monitoring pharmacological chaperone effect. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5297-5309.	3.0	12
49	Unveiling epidithiodiketopiperazine as a non-histone arginine methyltransferase inhibitor by chemical protein methylome analyses. <i>Chemical Communications</i> , 2018, 54, 9202-9205.	4.1	12
50	LXR Antagonists with a 5-Substituted Phenanthridin-6-one Skeleton: Synthesis and LXR Transrepression Activities of Conformationally Restricted Carba-T0901317 Analogs. <i>Heterocycles</i> , 2008, 76, 137.	0.7	12
51	Structural Development of Benzhydrol-Type 1'-Acetoxychavicol Acetate (ACA) Analogs as Human Leukemia Cell-Growth Inhibitors Based on Quantitative Structure-Activity Relationship (QSAR) Analysis. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1490-1495.	1.3	11
52	Catch and release of alkyne-tagged molecules in water by a polymer-supported cobalt complex. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7667.	2.8	11
53	A "Catch and Release" Protocol for Alkyne-Tagged Molecules Based on a Resin-Bound Cobalt Complex for Peptide Enrichment in Aqueous Media. <i>Chemistry - A European Journal</i> , 2014, 20, 8116-8128.	3.3	11
54	Detection of esterase activity by chromogenic and fluorogenic probe based on an O-nitrobenzoxadiazole (O-NBD) unit. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1444-1448.	3.0	11

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55	Deuterium Raman imaging for lipid analysis. <i>Current Opinion in Chemical Biology</i> , 2022, 70, 102181.	6.1	10
56	Image-based screen capturing misfolding status of Niemann-Pick type C1 identifies potential candidates for chaperone drugs. <i>PLoS ONE</i> , 2020, 15, e0243746.	2.5	7
57	The alkyne-tag Raman imaging of coronatine, a plant pathogen virulence factor, in <i>Commelina communis</i> and its possible mode of action. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3348-3352.	2.8	6
58	Indolylmaleimide Derivative IM-17 Shows Cardioprotective Effects in Ischemia-Reperfusion Injury. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 182-187.	2.8	6
59	Development of a Water-Soluble Indolylmaleimide Derivative IM-93 Showing Dual Inhibition of Ferroptosis and NETosis. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1272-1278.	2.8	6
60	Structure-activity relationships of benzhydryl derivatives based on 1-acetoxychavicol acetate (ACA) and their inhibitory activities on multiple myeloma cell growth via inactivation of the NF- κ B pathway. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2241-2246.	3.0	5
61	Structure-Activity Relationship Study of 3-Amino-2-indolylactam Derivatives: Development of Inhibitors of Oxidative Stress-Induced Necrosis. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 886-898.	1.3	5
62	Highly Chemoselective gem-Difluoropropargylation of Aliphatic Alcohols. <i>Chemistry - A European Journal</i> , 2019, 25, 16002-16006.	3.3	5
63	Visualization of the dynamic interaction between nucleosomal histone H3K9 tri-methylation and HP1 chromodomain in living cells. <i>Cell Chemical Biology</i> , 2022, 29, 1153-1161.e5.	5.2	5
64	Identification of Binding Proteins of Fusarielin A as Actin and Tubulin. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 129-134.	1.3	4
65	Synthesis and evaluation of 2,3-dinorprostaglandins: Dinor-PGD1 and 13-epi-dinor-PGD1 are peroxisome proliferator-activated receptor α / β dual agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3013-3017.	2.2	3
66	Alkyne-tag SERS imaging for visualizing small molecule drugs in live cells. , 2020, , .		2
67	Design, Synthesis, and Antifungal Activity of 16,17-Dihydroheronamide C and <i>ent</i> -Heronamide C. <i>Journal of Organic Chemistry</i> , 2021, 86, 16249-16258.	3.2	2
68	Slit-scanning confocal Raman microscopy: Practical applications in live cell imaging. , 2011, , .		0
69	Raman imaging of alkyne as a small tag for biological molecules. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
70	Raman spectroscopic detection of bio-active small molecules using alkyne tag. , 2015, , .		0
71	Alkyne-tag Raman imaging of bio-active small molecules in live cells. , 2015, , .		0
72	Surface-enhanced Raman scattering (SERS) imaging of alkyne-tagged small molecule drug in live cells with endocytosed gold nanoparticles. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0

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73	Visualizing Bioactive Small Molecules by Alkyne Tagging and Slit-Scanning Raman Microscopy. Methods in Molecular Biology, 2019, 1888, 99-114.	0.9	0
74	Watching bioactive small molecules in live cells by alkyne-tag Raman imaging. , 2013, , .		0
75	High-Throughput Screening Using Raman Spectroscopy With Multi-Focal Spots. , 2020, , .		0
76	Title is missing!. , 2020, 15, e0243746.		0
77	Title is missing!. , 2020, 15, e0243746.		0
78	Title is missing!. , 2020, 15, e0243746.		0
79	Title is missing!. , 2020, 15, e0243746.		0
80	Title is missing!. , 2020, 15, e0243746.		0
81	Title is missing!. , 2020, 15, e0243746.		0