

Tetsuya Kitaguchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/813960/publications.pdf>

Version: 2024-02-01

59
papers

2,396
citations

218677

26
h-index

223800

46
g-index

64
all docs

64
docs citations

64
times ranked

3783
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Development of red genetically encoded biosensor for visualization of intracellular glucose dynamics. <i>Cell Chemical Biology</i> , 2022, 29, 98-108.e4. | 5.2 | 14 |
| 2 | Modulation of Local Cellular Activities using a Photothermal Dye-Based Subcellular-Sized Heat Spot. <i>ACS Nano</i> , 2022, 16, 9004-9018. | 14.6 | 17 |
| 3 | Development of a Single Fluorescent Protein-Based Green Glucose Indicator by Semirational Molecular Design and Molecular Evolution. <i>Methods in Molecular Biology</i> , 2021, 2274, 89-100. | 0.9 | 2 |
| 4 | Rapid construction of fluorescence quenching-based immunosensor Q-bodies using \pm -helical coiled-coil peptides. <i>Chemical Communications</i> , 2021, 57, 8206-8209. | 4.1 | 8 |
| 5 | Simple Fluorogenic Cellular Assay for Histone Deacetylase Inhibitors Based on Split-Yellow Fluorescent Protein and Intrabodies. <i>ACS Omega</i> , 2021, 6, 10039-10046. | 3.5 | 3 |
| 6 | Construction of Fluorescent Immunosensor Quenchbody to Detect His-Tagged Recombinant Proteins Produced in Bioprocess. <i>Sensors</i> , 2021, 21, 4993. | 3.8 | 4 |
| 7 | Molecular basis of ubiquitin-specific protease 8 autoinhibition by the WW-like domain. <i>Communications Biology</i> , 2021, 4, 1272. | 4.4 | 6 |
| 8 | Evaluation and selection of potent fluorescent immunosensors by combining fluorescent peptide and nanobodies displayed on yeast surface. <i>Scientific Reports</i> , 2021, 11, 22590. | 3.3 | 4 |
| 9 | Graphene Field Effect Transistor-Based Immunosensor for Ultrasensitive Noncompetitive Detection of Small Antigens. <i>ACS Sensors</i> , 2020, 5, 24-28. | 7.8 | 58 |
| 10 | Green fluorescent protein-based lactate and pyruvate indicators suitable for biochemical assays and live cell imaging. <i>Scientific Reports</i> , 2020, 10, 19562. | 3.3 | 27 |
| 11 | Creation of a Nanobody-Based Fluorescent Immunosensor Mini Q-body for Rapid Signal-On Detection of Small Hapten Methotrexate. <i>ACS Sensors</i> , 2020, 5, 3457-3464. | 7.8 | 28 |
| 12 | Polymorphic Region-Specific Antibody for Evaluation of Affinity-Associated Profile of Chimeric Antigen Receptor. <i>Molecular Therapy - Oncolytics</i> , 2020, 17, 293-305. | 4.4 | 1 |
| 13 | PM Q-probe: A fluorescent binding protein that converts many antibodies to a fluorescent biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112425. | 10.1 | 16 |
| 14 | Distinct temporal integration of noradrenaline signaling by astrocytic second messengers during vigilance. <i>Nature Communications</i> , 2020, 11, 471. | 12.8 | 102 |
| 15 | Glutamine-induced signaling pathways via amino acid receptors in enteroendocrine L cell lines. <i>Journal of Molecular Endocrinology</i> , 2020, 64, 133-143. | 2.5 | 15 |
| 16 | Sonic hedgehog enhances calcium oscillations in hippocampal astrocytes. <i>Journal of Biological Chemistry</i> , 2019, 294, 16034-16048. | 3.4 | 11 |
| 17 | Creation of stable and strictly regulated enzyme switch for signal-on immunodetection of various small antigens. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 677-682. | 2.2 | 9 |
| 18 | Green Fluorescent Protein-Based Glucose Indicators Report Glucose Dynamics in Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 4821-4830. | 6.5 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Transmembrane signaling on a protocell: Creation of receptor-enzyme chimeras for immunodetection of specific antibodies and antigens. <i>Scientific Reports</i> , 2019, 9, 18189. | 3.3 | 9 |
| 20 | A novel FRET analysis method for tension dynamics in a single actin stress fiber: Application to MC3T3-E1 cells during movement on a substrate. <i>Journal of Biorheology</i> , 2019, 33, 21-26. | 0.5 | 1 |
| 21 | Noncompetitive homogeneous immunodetection of small molecules based on beta-glucuronidase complementation. <i>Analyst</i> , 2018, 143, 2096-2101. | 3.5 | 12 |
| 22 | RGB-Color Intensiometric Indicators to Visualize Spatiotemporal Dynamics of ATP in Single Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10873-10878. | 13.8 | 78 |
| 23 | RGB-Color Intensiometric Indicators to Visualize Spatiotemporal Dynamics of ATP in Single Cells. <i>Angewandte Chemie</i> , 2018, 130, 11039-11044. | 2.0 | 6 |
| 24 | Optical visualisation of thermogenesis in stimulated single-cell brown adipocytes. <i>Scientific Reports</i> , 2017, 7, 1383. | 3.3 | 77 |
| 25 | Flashbody: A Next Generation Fluobody with Fluorescence Intensity Enhanced by Antigen Binding. <i>Analytical Chemistry</i> , 2017, 89, 6719-6725. | 6.5 | 44 |
| 26 | Lysophosphatidylinositol-induced activation of the cation channel TRPV2 triggers glucagon-like peptide-1 secretion in enteroendocrine L cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 10855-10864. | 3.4 | 29 |
| 27 | Generation of a cGMP Indicator with an Expanded Dynamic Range by Optimization of Amino Acid Linkers between a Fluorescent Protein and PDE5 \pm . <i>ACS Sensors</i> , 2017, 2, 46-51. | 7.8 | 35 |
| 28 | Red fluorescent protein-based cAMP indicator applicable to optogenetics and in vivo imaging. <i>Scientific Reports</i> , 2017, 7, 7351. | 3.3 | 117 |
| 29 | Ca ²⁺ -associated triphasic pH changes in mitochondria during brown adipocyte activation. <i>Molecular Metabolism</i> , 2017, 6, 797-808. | 6.5 | 19 |
| 30 | Observations of intracellular tension dynamics of MC3T3-E1 cells during substrate adhesion using a FRET-based actinin tension sensor. <i>Journal of Biomechanical Science and Engineering</i> , 2016, 11, 16-00504-16-00504. | 0.3 | 3 |
| 31 | Wide and high resolution tension measurement using FRET in embryo. <i>Scientific Reports</i> , 2016, 6, 28535. | 3.3 | 37 |
| 32 | Positive Allosteric Modulation of the Calcium-sensing Receptor by Physiological Concentrations of Glucose. <i>Journal of Biological Chemistry</i> , 2016, 291, 23126-23135. | 3.4 | 25 |
| 33 | Intracellular bottom-up generation of targeted nanosensors for single-molecule imaging. <i>Nanoscale</i> , 2016, 8, 3218-3225. | 5.6 | 5 |
| 34 | Integrative function of adrenaline receptors for glucagon-like peptide-1 exocytosis in enteroendocrine L cell line GLUTag. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 1053-1058. | 2.1 | 13 |
| 35 | Low glucose-induced ghrelin secretion is mediated by an ATP-sensitive potassium channel. <i>Journal of Endocrinology</i> , 2015, 226, 25-34. | 2.6 | 10 |
| 36 | Genetically-Encoded Yellow Fluorescent cAMP Indicator with an Expanded Dynamic Range for Dual-Color Imaging. <i>PLoS ONE</i> , 2014, 9, e100252. | 2.5 | 98 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Vesicular nucleotide transporter is involved in ATP storage of secretory lysosomes in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 145-151. | 2.1 | 54 |
| 38 | Extracellular calcium influx activates adenylate cyclase 1 and potentiates insulin secretion in MIN6 cells. <i>Biochemical Journal</i> , 2013, 450, 365-373. | 3.7 | 72 |
| 39 | Visualization of an endogenous retinoic acid gradient across embryonic development. <i>Nature</i> , 2013, 496, 363-366. | 27.8 | 190 |
| 40 | The G Protein-coupled Receptor Family C Group 6 Subtype A (GPCR6A) Receptor Is Involved in Amino Acid-induced Glucagon-like Peptide-1 Secretion from GLUTag Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 4513-4521. | 3.4 | 125 |
| 41 | The small GTPase Cdc42 modulates the number of exocytosis-competent dense-core vesicles in PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 417-421. | 2.1 | 12 |
| 42 | Release of TNF α from macrophages is mediated by small GTPase Rab37. <i>European Journal of Immunology</i> , 2011, 41, 3230-3239. | 2.9 | 43 |
| 43 | Duration of fusion pore opening and the amount of hormone released are regulated by myosin II during kiss-and-run exocytosis. <i>Biochemical Journal</i> , 2010, 429, 497-504. | 3.7 | 50 |
| 44 | Age-dependent Preferential Dense-Core Vesicle Exocytosis in Neuroendocrine Cells Revealed by Newly Developed Monomeric Fluorescent Timer Protein. <i>Molecular Biology of the Cell</i> , 2010, 21, 87-94. | 2.1 | 39 |
| 45 | Illuminating cell-cycle progression in the developing zebrafish embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20812-20817. | 7.1 | 205 |
| 46 | Transcriptional regulation of a myeloid-lineage specific gene lysozyme C during zebrafish myelopoiesis. <i>Mechanisms of Development</i> , 2009, 126, 314-323. | 1.7 | 45 |
| 47 | Myosin II modulates a size of exocytotic fusion pore in neuroendocrine cells. <i>Neuroscience Research</i> , 2009, 65, S220-S221. | 1.9 | 0 |
| 48 | IP3 Receptor Types 2 and 3 Mediate Exocrine Secretion Underlying Energy Metabolism. <i>Science</i> , 2005, 309, 2232-2234. | 12.6 | 285 |
| 49 | An Inhibitor of TRPV1 Channels Isolated from Funnel Web Spider Venom. <i>Biochemistry</i> , 2005, 44, 15544-15549. | 2.5 | 67 |
| 50 | Stabilizing the Closed S6 Gate in the Shaker K ^v Channel Through Modification of a Hydrophobic Seal. <i>Journal of General Physiology</i> , 2004, 124, 319-332. | 1.9 | 63 |
| 51 | Xenopus Brachyury regulates mesodermal expression of Zic3, a gene controlling left-right asymmetry. <i>Development Growth and Differentiation</i> , 2002, 44, 55-61. | 1.5 | 35 |
| 52 | Xenopus Polycomblike 2 (XPcl2) controls anterior to posterior patterning of the neural tissue. <i>Development Genes and Evolution</i> , 2001, 211, 309-314. | 0.9 | 16 |
| 53 | Characterization of Liposomes Carrying von Willebrand Factor-Binding Domain of Platelet Glycoprotein Ib α : A Potential Substitute for Platelet Transfusion. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 784-789. | 2.1 | 28 |
| 54 | Characterization of cDNA encoding full-length mouse platelet glycoprotein IX. <i>Blood Coagulation and Fibrinolysis</i> , 1998, 9, 381-386. | 1.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | High Shear Stress Attenuates Agonist-Induced, Glycoprotein IIb/IIIa-Mediated Platelet Aggregation When von Willebrand Factor Binding to Glycoprotein Ib/IX Is Blocked. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 796-800. | 2.1 | 10 |
| 56 | CHARACTERIZATION OF THE GENE ENCODING MOUSE PLATELET GLYCOPROTEIN Ib [±] 1 1The nucleotide sequence data reported in this paper will appear in the DDBJ, EMBL and GenBank nucleotide sequence databases with the accession number AB001419.. <i>Thrombosis Research</i> , 1997, 87, 235-244. | 1.7 | 7 |
| 57 | Expression and Functional Characterization of an Abnormal Platelet Membrane Glycoprotein Ib [±] (Met239 → Val) Reported in Patients With Platelet-Type von Willebrand Disease. <i>Blood</i> , 1997, 90, 698-705. | 1.4 | 40 |
| 58 | Expression and Functional Characterization of an Abnormal Platelet Membrane Glycoprotein Ib [±] (Met239 → Val) Reported in Patients With Platelet-Type von Willebrand Disease. <i>Blood</i> , 1997, 90, 698-705. | 1.4 | 1 |
| 59 | Establishment and Characterization of Transgenic Mice Expressing Human Platelet Glycoprotein Ib [±] . <i>Biochemical and Biophysical Research Communications</i> , 1996, 220, 418-424. | 2.1 | 2 |