Hajime Fukuoka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6731137/publications.pdf

Version: 2024-02-01

22 papers	828 citations	567281 15 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	557 citing authors

#	ARTICLE	IF	CITATIONS
1	Stator Dynamics Depending on Sodium Concentration in Sodium-Driven Bacterial Flagellar Motors. Frontiers in Microbiology, 2021, 12, 765739.	3.5	1
2	Fluctuations in Intracellular CheY-P Concentration Coordinate Reversals of Flagellar Motors in E. coli. Biomolecules, 2020, 10, 1544.	4.0	8
3	Direct Imaging of Intracellular Signaling Molecule Responsible for the Bacterial Chemotaxis. Methods in Molecular Biology, 2017, 1593, 215-226.	0.9	0
4	Glucose-stimulated Single Pancreatic Islets Sustain Increased Cytosolic ATP Levels during Initial Ca2+ Influx and Subsequent Ca2+ Oscillations. Journal of Biological Chemistry, 2014, 289, 2205-2216.	3.4	43
5	Direct Imaging of Intracellular Signaling Components That Regulate Bacterial Chemotaxis. Science Signaling, 2014, 7, ra32.	3.6	35
6	Micrometer-Size Vesicle Formation Triggered by UV Light. Langmuir, 2014, 30, 7289-7295.	3.5	21
7	Single-Cell E.Âcoli Response to an Instantaneously Applied Chemotactic Signal. Biophysical Journal, 2014, 107, 730-739.	0.5	28
8	Temperature Dependences of Torque Generation and Membrane Voltage in the Bacterial Flagellar Motor. Biophysical Journal, 2013, 105, 2801-2810.	0.5	5
9	Coordinated regulation of multiple flagellar motors by the Escherichia coli chemotaxis system. Biophysics (Nagoya-shi, Japan), 2012, 8, 59-66.	0.4	8
10	Coordinated Reversal of Flagellar Motors on a Single Escherichia coli Cell. Biophysical Journal, 2011, 100, 2193-2200.	0.5	43
11	Mutations Targeting the C-Terminal Domain of FliG Can Disrupt Motor Assembly in the Na+-Driven Flagella of Vibrio alginolyticus. Journal of Molecular Biology, 2011, 414, 62-74.	4.2	54
12	Thermosensing Function of the<i>Escherichia coli</i>Redox Sensor Aer. Journal of Bacteriology, 2010, 192, 1740-1743.	2.2	16
13	Exchange of rotor components in functioning bacterial flagellar motor. Biochemical and Biophysical Research Communications, 2010, 394, 130-135.	2.1	55
14	Sodiumâ€dependent dynamic assembly of membrane complexes in sodiumâ€driven flagellar motors. Molecular Microbiology, 2009, 71, 825-835.	2.5	133
15	Torque-Speed Curves of Chimeric Flagellar Motors. Seibutsu Butsuri, 2009, 49, 292-293.	0.1	0
16	Torqueâ€"Speed Relationships of Na+-driven Chimeric Flagellar Motors in Escherichia coli. Journal of Molecular Biology, 2008, 376, 1251-1259.	4.2	76
17	Visualization of Functional Rotor Proteins of the Bacterial Flagellar Motor in the Cell Membrane. Journal of Molecular Biology, 2007, 367, 692-701.	4.2	35
18	The Vibrio motor proteins, MotX and MotY, are associated with the basal body of Na+-driven flagella and required for stator formation. Molecular Microbiology, 2006, 62, 1170-1180.	2.5	115

#	Article	IF	Citations
19	Roles of Charged Residues of Rotor and Stator in Flagellar Rotation: Comparative Study using H + -Driven and Na + -Driven Motors in Escherichia coli. Journal of Bacteriology, 2006, 188, 1466-1472.	2.2	86
20	Assembly of Motor Proteins, PomA and PomB, in the Na+-driven Stator of the Flagellar Motor. Journal of Molecular Biology, 2005, 351, 707-717.	4.2	43
21	Concerted Effects of Amino Acid Substitutions in Conserved Charged Residues and Other Residues in the Cytoplasmic Domain of PomA, a Stator Component of Na+-Driven Flagella. Journal of Bacteriology, 2004, 186, 6749-6758.	2.2	22
22	Flagellum-independent Trail Formation ofEscherichia colion Semi-solid Agar. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1802-1805.	1.3	1