Ryota Yamasaki

List of Publications by Year
in descending order

32 papers	915 citations	567281 15 h-index	477307 29 g-index
35 all docs	35 docs citations	35 times ranked	1105 citing authors

#	Article	IF	Citations
1	Viable but nonâ€culturable and persistence describe the same bacterial stress state. Environmental Microbiology, 2018, 20, 2038-2048.	3.8	175
2	Single cell observations show persister cells wake based on ribosome content. Environmental Microbiology, 2018, 20, 2085-2098.	3.8	94
3	Electrodeposited Cu-Sn Alloy for Electrochemical CO2 Reduction to CO/HCOOâ˜. Electrocatalysis, 2018, 9, 323-332.	3.0	76
4	Non-catalyzed one-step synthesis of ammonia from atmospheric air and water. Green Chemistry, 2016, 18, 4536-4541.	9.0	73
5	Aromatic hydrocarbon selectivity as a function of CaO basicity and aging during CaO-catalyzed PET pyrolysis using tandem Âµ-reactor-GC/MS. Chemical Engineering Journal, 2018, 332, 169-173.	12.7	57
6	Persister Cells Resuscitate Using Membrane Sensors that Activate Chemotaxis, Lower cAMP Levels, and Revive Ribosomes. IScience, 2020, 23, 100792.	4.1	56
7	Excitation of H₂O at the plasma/water interface by UV irradiation for the elevation of ammonia production. Green Chemistry, 2018, 20, 627-633.	9.0	51
8	Ribosome dependence of persister cell formation and resuscitation. Journal of Microbiology, 2019, 57, 213-219.	2.8	38
9	Interkingdom signal indole inhibits Pseudomonas aeruginosa persister cell waking. Journal of Applied Microbiology, 2019, 127, 1768-1775.	3.1	31
10	Electron carriers increase electricity production in methane microbial fuel cells that reverse methanogenesis. Biotechnology for Biofuels, 2018, 11, 211.	6.2	30
11	Solid-support immobilization of a â€œswingâ€•fusion protein for enhanced glucose oxidase catalytic activity. Colloids and Surfaces B: Biointerfaces, 2013, 112, 186-191.	5.0	27
12	Current state and perspectives in hydrogen production by Escherichia coli: roles of hydrogenases in glucose or glycerol metabolism. Applied Microbiology and Biotechnology, 2018, 102, 2041-2050.	3.6	26
13	Identification of a potent indigoid persister antimicrobial by screening dormant cells. Biotechnology and Bioengineering, 2019, 116, 2263-2274.	3.3	24
14	Flattened-Top Domical Water Drops Formed through Self-Organization of Hydrophobin Membranes: A Structural and Mechanistic Study Using Atomic Force Microscopy. ACS Nano, 2016, 10, 81-87.	14.6	18
15	Ïƒ₅₄â€Dependent regulator DVU2956 switches Desulfovibrio vulgaris from biofilm formation to planktonic growth and regulates hydrogen sulfide production. Environmental Microbiology, 2019, 21, 3564-3576.	3.8	18
16	Highly Selective Methane Production Through Electrochemical CO2 reduction by Electrolytically Plated Cu-Co Electrode. Electrocatalysis, 2019, 10, 29-34.	3.0	16
17	Schizophyllum commune Î²-glucan: Effect on interleukin-10 expression induced by lipopolysaccharide from periodontopathic bacteria. Carbohydrate Polymers, 2021, 253, 117285.	10.2	16
18	Reactive Oxygen Species Penetrate Persister Cell Membranes of Escherichia coli for Effective Cell Killing. Frontiers in Cellular and Infection Microbiology, 2020, 10, 496.	3.9	15

#	Article	IF	Citations
19	Rhamnolipids and surfactin inhibit the growth or formation of oral bacterial biofilm. BMC Microbiology, 2020, 20, 358.	3.3	12
20	Magnesium Hydroxide Nanoparticles Kill Exponentially Growing and Persister Escherichia coli Cells by Causing Physical Damage. Nanomaterials, 2021, 11, 1584.	4.1	11
21	Formation Mechanism of Flattened Top HFBI Domical Droplets. Journal of Physical Chemistry B, 2016, 120, 3699-3704.	2.6	9
22	Escherichia coli cryptic prophages sense nutrients to influence persister cell resuscitation. Environmental Microbiology, 2021, 23, 7245-7254.	3.8	9
23	Electrochemical properties of honeycomb-like structured HFBI self-organized membranes on HOPG electrodes. Colloids and Surfaces B: Biointerfaces, 2014, 123, 803-808.	5.0	8
24	Sustainable process for functional group introduction onto HOPG by exposing OH and 1O2 using a radical vapor reactor (RVR) without any chemical reagents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 328-334.	4.7	4
25	Green Surface Cleaning in a Radical Vapor Reactor to Remove Organic Fouling on a Substrate. Electrochemistry, 2018, 86, 355-362.	1.4	4
26	Dectinâ€1â€“mediated suppression of RANKLâ€induced osteoclastogenesis by glucan from baker's yeast. Journal of Cellular Physiology, 2021, 236, 5098-5107.	4.1	4
27	Mechanisms involved in suppression of osteoclast supportive activity by transforming growth factor-Î²1 via the ubiquitin-proteasome system. PLoS ONE, 2022, 17, e0262612.	2.5	4
28	Biological Effects of Î²-Glucans on Osteoclastogenesis. Molecules, 2021, 26, 1982.	3.8	3
29	Nano-structure Control of Leadframe Surface to Achieve Robust Juncture with Epoxy Resin. IEEJ Transactions on Sensors and Micromachines, 2015, 135, 129-134.	0.1	2
30	Structural and Electrochemical Properties of Self-organized HFBI Membranes on Different Types of Substrates. Electrochemistry, 2015, 83, 969-973.	1.4	1
31	Molecular Carrier-Gox Fusion Protein for Electro-Catalytic Reaction. ECS Meeting Abstracts, 2016, , .	0.0	0
32	Quick and environmentally friendly sterilization process of dental instruments by radical vapor reactor. Process Biochemistry, 2022, 113, 22-26.	3.7	0