

Toshiyuki Nomura

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,660
citations

394286

19
h-index

302012

39
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93
all docs

93
docs citations

93
times ranked

1983
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioreductive deposition of platinum nanoparticles on the bacterium <i>Shewanella</i> algae. <i>Journal of Biotechnology</i> , 2007, 128, 648-653.	1.9	442
2	Intracellular recovery of gold by microbial reduction of AuCl ₄ ⁻ ions using the anaerobic bacterium <i>Shewanella</i> algae. <i>Hydrometallurgy</i> , 2006, 81, 24-29.	1.8	156
3	Room-temperature synthesis of gold nanoparticles and nanoplates using <i>Shewanella</i> algae cell extract. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2531-2539.	0.8	91
4	Exposure of the Yeast <i>Saccharomyces cerevisiae</i> to Functionalized Polystyrene Latex Nanoparticles: Influence of Surface Charge on Toxicity. <i>Environmental Science & Technology</i> , 2013, 47, 3417-3423.	4.6	61
5	The environment humidity effect on the tribo-charge of powder. <i>Powder Technology</i> , 2003, 135-136, 43-49.	2.1	58
6	Cytotoxicity and colloidal behavior of polystyrene latex nanoparticles toward filamentous fungi in isotonic solutions. <i>Chemosphere</i> , 2016, 149, 84-90.	4.2	46
7	Fabrication of silica hollow particles using <i>Escherichia coli</i> as a template. <i>Materials Letters</i> , 2008, 62, 3727-3729.	1.3	42
8	A new synthesis route from spent sulfuric acid pickling solution to ferrite nanoparticles. <i>Hydrometallurgy</i> , 2004, 74, 57-65.	1.8	38
9	Adhesion and internalization of functionalized polystyrene latex nanoparticles toward the yeast <i>Saccharomyces cerevisiae</i> . <i>Advanced Powder Technology</i> , 2014, 25, 1394-1397.	2.0	32
10	Cytotoxicity and behavior of polystyrene latex nanoparticles to budding yeast. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 287-293.	2.3	29
11	A Model for Simultaneous Homogeneous and Heterogeneous Nucleation. <i>Journal of Colloid and Interface Science</i> , 1998, 203, 170-176.	5.0	28
12	Microbial recovery of rhodium from dilute solutions by the metal ion-reducing bacterium <i>Shewanella</i> algae. <i>Hydrometallurgy</i> , 2013, 139, 26-29.	1.8	28
13	Influence of aluminum source on the color tone of cobalt blue pigment. <i>Powder Technology</i> , 2018, 323, 574-580.	2.1	28
14	Synthesis of hollow silica microparticles from bacterial templates. <i>Advanced Powder Technology</i> , 2010, 21, 8-12.	2.0	26
15	Direct determination of oxidation state of gold deposits in metal-reducing bacterium <i>Shewanella</i> algae using X-ray absorption near-edge structure spectroscopy (XANES). <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 568-571.	1.1	25
16	Disease control of <i>Phytophthora infestans</i> using cyazofamid encapsulated in poly lactic-co-glycolic acid (PLGA) nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 315-322.	2.3	24
17	Measurement of microbial adhesive forces with a parallel plate flow chamber. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 77-85.	5.0	20
18	Influence of the Atmospheric Condition for Tribo-Charging of Powder.. <i>Journal of the Society of Powder Technology, Japan</i> , 1999, 36, 168-173.	0.0	19

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19	Synthesis of hollow zirconia particles using wet bacterial templates. <i>Advanced Powder Technology</i> , 2013, 24, 1013-1016.	2.0	19
20	Enhancement of methane production by <i>Methanosarcina barkeri</i> using Fe ₃ O ₄ nanoparticles as iron sustained release agent. <i>Advanced Powder Technology</i> , 2018, 29, 2429-2433.	2.0	19
21	A Novel Method of Fabrication of Latex-Stabilized Water-Core Colloidosomes at Room Temperature. <i>Langmuir</i> , 2010, 26, 18676-18680.	1.6	18
22	Precipitation of Zinc Sulfide Particles from Homogeneous Solutions. <i>Journal of Colloid and Interface Science</i> , 2000, 223, 179-184.	5.0	17
23	Effect of the surface characteristics of <i>Methanosarcina barkeri</i> on immobilization to support materials. <i>Advanced Powder Technology</i> , 2007, 18, 489-501.	2.0	17
24	Microbial recovery of gold from neutral and acidic solutions by the baker's yeast <i>Saccharomyces cerevisiae</i> . <i>Hydrometallurgy</i> , 2018, 181, 29-34.	1.8	17
25	Control of microbial adhesion using fine particle technology. <i>Advanced Powder Technology</i> , 2012, 23, 532-537.	2.0	16
26	Microbial Reduction and Recovery of Palladium Using Metal Ion-Reducing Bacterium <i>Shewanella</i> algae. <i>Kagaku Kogaku Ronbunshu</i> , 2010, 36, 288-292.	0.1	15
27	Resource recovery treatment of waste sludge using a solubilizing reagent. <i>Journal of Material Cycles and Waste Management</i> , 2007, 9, 34-39.	1.6	14
28	Cytotoxicity of functionalized polystyrene latex nanoparticles toward lactic acid bacteria, and comparison with model microbes. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	14
29	Estimation of the adhesive force distribution for the flagellar adhesion of <i>Escherichia coli</i> on a glass surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 67-72.	2.5	14
30	Benign preparation of aqueous core poly lactic-co-glycolic acid (PLGA) microcapsules. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 1-9.	5.0	14
31	Shape and size control of barium chromate nanoparticles using reverse micelle. <i>Advanced Powder Technology</i> , 2009, 20, 101-105.	2.0	13
32	Comparison of the cytotoxic effect of polystyrene latex nanoparticles on planktonic cells and bacterial biofilms. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	13
33	Microbial recovery of palladium by baker's yeast through bioreductive deposition and biosorption. <i>Hydrometallurgy</i> , 2020, 196, 105413.	1.8	13
34	Engineering Model for Homogeneous Nucleation.. <i>Kagaku Kogaku Ronbunshu</i> , 1997, 23, 666-672.	0.1	12
35	Solid-state synthesis and characterization of cobalt blue core-shell pigment particles. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3468-3476.	1.9	12
36	Influence of the Characteristics of Charge Relaxation for Tribo-Charging of Powder.. <i>Kagaku Kogaku Ronbunshu</i> , 1998, 24, 585-590.	0.1	11

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37	A Model for Simultaneous Homogeneous and Heterogeneous Nucleation in the Case of Slow Reaction Rate. <i>Journal of Colloid and Interface Science</i> , 2000, 221, 195-199.	5.0	11
38	The role of microbial surface properties and extracellular polymer in <i>Lactococcus Lactis</i> aggregation. <i>Advanced Powder Technology</i> , 2009, 20, 537-541.	2.0	11
39	Simple model of particle formation by homogeneous and heterogeneous nucleation. <i>Advanced Powder Technology</i> , 2001, 12, 291-309.	2.0	10
40	Examination of the Contact-potential-difference Measurement Model between a Powder and a Metal.. <i>Journal of the Society of Powder Technology, Japan</i> , 1995, 32, 472-475.	0.0	8
41	Engineering Model for Homogeneous Nucleation in System Containing Seed Particles.. <i>Kagaku Kogaku Ronbunshu</i> , 1997, 23, 673-678.	0.1	8
42	Preparation of Cobalt Ferrite Nanoparticles by Hydrolysis of Cobalt-Iron (III) Carboxylate Dissolved in Organic Solvent. <i>Materials Transactions</i> , 2004, 45, 81-85.	0.4	8
43	Adhesion control of fungal spores on solid surfaces using hydrophilic nanoparticles. <i>Advanced Powder Technology</i> , 2018, 29, 909-914.	2.0	8
44	Zinc Leaching from Fly Ash in Municipal Waste Incineration by Thermophilic Archaea <i>Acidianus brierleyi</i> Growing on Elemental Sulfur. <i>Separation Science and Technology</i> , 2003, 38, 4117-4130.	1.3	7
45	Solvothermal Preparation of Cuprous Oxide Fine Particles by Hydrolysis of Copper(II) Carboxylate in Two-Phase Liquid-Liquid System. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2088-2092.	1.8	7
46	Control of colloidal behavior of polystyrene latex nanoparticles and their cytotoxicity toward yeast cells using water-soluble polymers. <i>Advanced Powder Technology</i> , 2018, 29, 2204-2210.	2.0	7
47	Isolation and characterization of a novel hydrogen-producing strain <i>Clostridium</i> sp. suitable for immobilization. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1280-1287.	3.8	6
48	Direct measurement of interaction forces between a yeast cell and a microbubble using atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123963.	2.3	6
49	Selective Immobilization of Aceticlastic Methanogens to Support Material [Translated]. <i>KONA Powder and Particle Journal</i> , 2008, 26, 246-253.	0.9	6
50	Bacterial Toxicity of Functionalized Polystyrene Latex Nanoparticles Toward <i>Escherichia coli</i> . <i>Advanced Materials Research</i> , 0, 699, 672-677.	0.3	5
51	Facile fabrication of hollow titania microparticles using wet yeast cells as templates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 215-220.	2.3	5
52	Bioleaching of Low-Grade Chalcopyrite Ore by the Thermophilic Archaea <i>Acidianus brierleyi</i> . <i>Solid State Phenomena</i> , 0, 262, 237-241.	0.3	5
53	Direct measurements of colloidal behavior of polystyrene nanoparticles into budding yeast cells using atomic force microscopy and confocal microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 653-659.	2.3	5
54	Impact of surface-functionalized polystyrene latex nanoparticles on the growth of <i>Methanosarcina barkeri</i> . <i>Surface Science</i> , 2018, 677, 34-38.	0.8	5

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55	Effect of Viscosity on Particle Generation in Liquid Phase.. Kagaku Kogaku Ronbunshu, 1998, 24, 642-645.	0.1	4
56	Selective Immobilization of Aceticlastic Methanogens to Support Material. Journal of the Society of Powder Technology, Japan, 2006, 43, 653-659.	0.0	4
57	Analysis of the Continuous Bioconversion of Glycerol by Promotion of Highly Glycerol-Resistant Glycerol-Degrading Bacteria. Waste and Biomass Valorization, 2019, 10, 3321-3330.	1.8	4
58	Biotechnological Recovery of Platinum Group Metals from Leachates of Spent Automotive Catalysts. Minerals, Metals and Materials Series, 2017, , 129-135.	0.3	4
59	Particle formation by the dilution method using a miscible non-solvent. Advanced Powder Technology, 2000, 11, 57-68.	2.0	3
60	Ecotoxicity of PSL Nanoparticles to <i>Escherichia Coli</i>. Journal of the Society of Powder Technology, Japan, 2012, 49, 362-366.	0.0	3
61	Microbial Recycling of Precious and Rare Metals Sourced from Post-Consumer Products. Solid State Phenomena, 2017, 262, 563-567.	0.3	3
62	Simple Model of Aerosol Particle Formation by the Evaporation-Condensation Method. Journal of Colloid and Interface Science, 2000, 231, 107-113.	5.0	2
63	Control of Microbial Adhesion with Colloid Science Techniques. Journal of the Society of Powder Technology, Japan, 2007, 44, 122-126.	0.0	2
64	Estimation of Adhesion and Aggregation of Acetate-utilizing Methanogens. Journal of the Society of Powder Technology, Japan, 2012, 49, 267-273.	0.0	2
65	Adhesion and Coaggregation Phenomena of Acetate-utilizing Methanogens under Coexistence of Acidogens. Journal of the Society of Powder Technology, Japan, 2012, 49, 514-520.	0.0	2
66	Influence of Mixing Time and Calcination Temperature on Color Tone of Cobalt Blue Synthesized by Solid Phase Reaction Method. Journal of the Society of Powder Technology, Japan, 2014, 51, 629-634.	0.0	2
67	The Possibility of the Aerosol Infection of Corona Disease COVID-19-Analysis from the Viewpoint of Particle Technology. Journal of the Society of Powder Technology, Japan, 2020, 57, 526-529.	0.0	2
68	Direct measurement of adhesion force between a yeast cell and a lactic acid bacterium cell with atomic force microscopy. Journal of Bioscience and Bioengineering, 2022, 133, 155-160.	1.1	2
69	Microbial Synthesis of Noble Metal Nanoparticles using Metal-reducing Bacteria. Materials Research Society Symposia Proceedings, 2006, 942, 1.	0.1	1
70	STRUCTURAL CONTROL OF NANOPARTICLES. , 2008, , 49-112.		1
71	Phase Transition and Morphology of NaCl Aerosol Particles. Journal of the Society of Powder Technology, Japan, 2008, 45, 305-311.	0.0	1
72	Synthesis of Hollow Titania Photocatalytic Particles Using Yeast as Templates. Advanced Materials Research, 2013, 699, 126-132.	0.3	1

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91	Delivery of Biodegradable Poly Lactic-co-Glycolic Acid (PLGA) Nanoparticles into Plant Cells. Journal of the Society of Powder Technology, Japan, 2020, 57, 424-427.	0.0	0
92	Control of Biofilm Formation Using Hydrophilic Nanoparticles. Journal of the Society of Powder Technology, Japan, 2020, 57, 588-592.	0.0	0