

# Yoshitoshi Nakamura

## List of Publications by Year in descending order

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121  
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2,767  
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3007  
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#	ARTICLE	IF	CITATIONS
1	Efficiency of $\beta$ -glucan production by <i>Sparassis crispa</i> depends on mycelium shape. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1939-1947.	2.9	0
2	Effects of Tween series and agar additives on mycelia biomass and $\beta$ -glucan production by <i>Herichium erinaceus</i> in submerged culture. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3135-3141.	2.9	1
3	Antioxidant activity of water extract from bamboo by high-temperature and high-pressure steam treatment. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3809-3817.	2.9	8
4	Production and antioxidant activity of phenolic compounds from indigo plant waste using pressurized microwave-assisted hydrothermal treatment followed by water extraction. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 6787-6795.	2.9	4
5	Extraction, separation, and utilization of components contained in waste bamboo by pressurized microwave-assisted ethanol solvent treatment. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8315-8326.	2.9	4
6	Cured epoxy resin synthesized using acetone-soluble lignin and ligno-p-cresol obtained from steam-exploded wheat straw. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10495-10504.	2.9	2
7	Microwave-Assisted Hydrolysis of Cellulose in Towel and Wheat Straw Using Freeze-Thawing with NaOH. <i>Waste and Biomass Valorization</i> , 2021, 12, 3331-3339.	1.8	4
8	Effect of Activated Cow Dung as Inoculum on Methane Production of Steam-Exploded Rice Husks. <i>Waste and Biomass Valorization</i> , 2021, 12, 5019-5028.	1.8	4
9	Utilization of Steam-Treated and Milling-Treated Lignin from Moso Bamboo as Curing Agent of Epoxy Resin. <i>Waste and Biomass Valorization</i> , 2021, 12, 6261-6272.	1.8	10
10	Preparation of Biopolymer Composite Using Cedarâ€Derived Cellulose Nanofibers. <i>Waste and Biomass Valorization</i> , 2021, 12, 6245.	1.8	5
11	Ethanol Production from Sugarcane Bagasse Using Pressurized Microwave Treatment with Inorganic Salts and Salt-Tolerant Yeast. <i>Waste and Biomass Valorization</i> , 2020, 11, 2001-2007.	1.8	12
12	Microwave-Assisted Hydrolysis of Cotton Waste to Glucose in Combination with the Concentrated Sulfuric Acid Impregnation Method. <i>Waste and Biomass Valorization</i> , 2020, 11, 4279-4287.	1.8	11
13	Production of Eco-refinery Pulp from Moso Bamboo Using Steam Treatment Followed by Milling Treatment. <i>Waste and Biomass Valorization</i> , 2020, 11, 6139-6146.	1.8	10
14	Lignin as a Coating and Curing Agent on Biodegradable Epoxy Resins. , 2020, , 195-206.		5
15	Effects of Hydrothermal Methods such as Steam Explosion and Microwave Irradiation on Extraction of Water Soluble Antioxidant Materials from Garlic Husk. <i>Waste and Biomass Valorization</i> , 2019, 10, 3397-3402.	1.8	14
16	Microwave-assisted glucose production from bode ( <i>Styrax tonkinensis</i> ) woody biomass for bioethanol production. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 201-204.	1.6	11
17	Isolation and identification of an angiotensin I-converting enzyme inhibitory peptide from pearl oyster ( <i>Pinctada fucata</i> ) shell protein hydrolysate. <i>Process Biochemistry</i> , 2019, 77, 137-142.	1.8	23
18	Glucose and Valuable Chemicals Production from Cotton Waste Using Hydrothermal Method. <i>Waste and Biomass Valorization</i> , 2019, 10, 599-607.	1.8	17

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19	High Concentration Ethanol Production from Mixed Softwood Sawdust Waste. Waste and Biomass Valorization, 2019, 10, 433-439.	1.8	13
20	Production of cellulose nanofibers from Aspen and Bode chopsticks using a high temperature and high pressure steam treatment combined with milling. Carbohydrate Polymers, 2018, 194, 303-310.	5.1	22
21	Total Biorefinery Process of Lignocellulosic Waste Using Steam Explosion Followed by Water and Acetone Extractions. Waste and Biomass Valorization, 2018, 9, 2423-2432.	1.8	22
22	Cholinium ionic liquid/cosolvent pretreatment for enhancing enzymatic saccharification of sugarcane bagasse. Industrial Crops and Products, 2016, 86, 113-119.	2.5	33
23	Total utilization of Japanese pear tree prunings: extraction of arbutin and production of bioethanol. Journal of Material Cycles and Waste Management, 2016, 18, 385-392.	1.6	8
24	Effect of pulsed discharges on mycelium growth of Sparassis crispa. , 2015, , .		1
25	Chemical characteristics and enzymatic saccharification of lignocellulosic biomass treated using high-temperature saturated steam: Comparison of softwood and hardwood. Bioresource Technology, 2015, 182, 245-250.	4.8	28
26	Epoxy resin synthesis using low molecular weight lignin separated from various lignocellulosic materials. International Journal of Biological Macromolecules, 2015, 74, 413-419.	3.6	111
27	Functionalization of the active ingredients of Japanese green tea (Camellia sinensis) for the synthesis of bio-based epoxy resin. Industrial Crops and Products, 2015, 73, 63-72.	2.5	49
28	Comparison of choline acetate ionic liquid pretreatment with various pretreatments for enhancing the enzymatic saccharification of sugarcane bagasse. Industrial Crops and Products, 2015, 71, 147-152.	2.5	40
29	Conversion of steam-exploded cedar into ethanol using simultaneous saccharification, fermentation and detoxification process. Bioresource Technology, 2015, 176, 203-209.	4.8	20
30	Extraction of arbutin and its comparative content in branches, leaves, stems, and fruits of Japanese pear <i>Pyrus pyrifolia</i> cv. Kousui. Bioscience, Biotechnology and Biochemistry, 2014, 78, 874-877.	0.6	19
31	Steam explosion treatment for ethanol production from branches pruned from pear trees by simultaneous saccharification and fermentation. Bioscience, Biotechnology and Biochemistry, 2014, 78, 160-166.	0.6	15
32	Acetone-butanol-ethanol production by separate hydrolysis and fermentation (SHF) and simultaneous saccharification and fermentation (SSF) methods using acorns and wood chips of <i>Quercus acutissima</i> as a carbon source. Industrial Crops and Products, 2014, 62, 286-292.	2.5	40
33	Evaluation of epoxy resins synthesized from steam-exploded bamboo lignin. Industrial Crops and Products, 2013, 43, 757-761.	2.5	135
34	Extraction method for increasing antioxidant activity of raw garlic using steam explosion. Biochemical Engineering Journal, 2013, 73, 1-4.	1.8	32
35	Production of D-lactic acid from sugarcane bagasse using steam-explosion. Journal of Physics: Conference Series, 2012, 352, 012054.	0.3	4
36	EXAMINATION OF INCUBATION CONDITIONS FOR PRODUCTION OF <i>HERICIUM ERINACEUM</i> . International Journal of Modern Physics Conference Series, 2012, 06, 733-738.	0.7	0

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37	Evaluation of buckwheat and barley tea wastes as ethanol fermentation substrates. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 206-211.	1.6	3
38	Effects of washing with water on enzymatic saccharification and d-lactic acid production from steam-exploded sugarcane bagasse. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 234-240.	1.6	5
39	Direct hydrolysis of cellulose to glucose using ultra-high temperature and pressure steam explosion. <i>Carbohydrate Polymers</i> , 2012, 89, 298-301.	5.1	28
40	Biodegradation of phenol in seawater using bacteria isolated from the intestinal contents of marine creatures. <i>International Biodeterioration and Biodegradation</i> , 2012, 69, 113-118.	1.9	18
41	Effect of steam explosion pretreatment with ultra-high temperature and pressure on effective utilization of softwood biomass. <i>Biochemical Engineering Journal</i> , 2012, 60, 25-29.	1.8	46
42	Acceleration of <i>Hericium erinaceum</i> mycelial growth in submerged culture using yogurt whey as an alternative nitrogen source. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2012, 03, 828-832.	0.3	3
43	Efficient Extraction of Starch from Microalgae Using Ultrasonic Homogenizer and Its Conversion into Ethanol by Simultaneous Saccharification and Fermentation. <i>Natural Resources</i> , 2012, 03, 175-179.	0.2	15
44	Surface carbohydrate analysis and bioethanol production of sugarcane bagasse pretreated with the white rot fungus, <i>Ceriporiopsis subvermispora</i> and microwave hydrothermolysis. <i>Bioresource Technology</i> , 2011, 102, 9942-9946.	4.8	46
45	Characterization of the steam-exploded spent Shiitake mushroom medium and its efficient conversion to ethanol. <i>Bioresource Technology</i> , 2011, 102, 10052-10056.	4.8	51
46	Ethanol production from disposable aspen chopsticks using delignification pretreatments. <i>Carbohydrate Polymers</i> , 2011, 85, 196-200.	5.1	34
47	Bioprocess development of the production of the mutant P-219-L human d-amino acid oxidase for high soluble fraction expression in recombinant <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2010, 52, 236-247.	1.8	5
48	Effective enzyme saccharification and ethanol production from Japanese cedar using various pretreatment methods. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 79-86.	1.1	36
49	Development of efficient system for ethanol production from paper sludge pretreated by ball milling and phosphoric acid. <i>Carbohydrate Polymers</i> , 2010, 79, 250-254.	5.1	38
50	Alkaline peroxide pretreatment for efficient enzymatic saccharification of bamboo. <i>Carbohydrate Polymers</i> , 2010, 79, 914-920.	5.1	136
51	Bioconversion of Soy Sauce Residue Treated with Steam Explosion into Ethanol by Meicelase and <i>Mucor indicus</i> . <i>Journal of Food Technology</i> , 2010, 8, 187-190.	0.5	6
52	Utilization of various fruit juices as carbon source for production of bacterial cellulose by <i>Acetobacter xylinum</i> NBRC 13693. <i>Carbohydrate Polymers</i> , 2009, 76, 333-335.	5.1	266
53	Degradation of reactive dyes by ozonation and oxalic acid-assimilating bacteria isolated from soil. <i>Biodegradation</i> , 2008, 19, 489-494.	1.5	20
54	Ethanol production from paper sludge by immobilized <i>Zymomonas mobilis</i> . <i>Biochemical Engineering Journal</i> , 2008, 42, 314-319.	1.8	60

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55	Purification of seawater contaminated with undegradable aromatic ring compounds using ozonolysis followed by titanium dioxide treatment. <i>Marine Pollution Bulletin</i> , 2008, 57, 53-58.	2.3	9
56	Development of effective utilization method of lignin from rice straw. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 1153-1157.	0.2	4
57	Degradation of 2,4-Dichlorophenoxyacetic Acid (2,4-D) by Ozonation and TiO <sub>2</sub> /UV Treatment. <i>Journal of Chemical Engineering of Japan</i> , 2007, 40, 378-384.	0.3	6
58	Degradation of phenol in seawater using a novel microorganism isolated from the intestine of <i>Aplysia kurodai</i> . <i>International Biodeterioration and Biodegradation</i> , 2007, 59, 252-254.	1.9	7
59	Novel extraction method of antioxidant compounds from <i>Sasa palmata</i> (Bean) Nakai using steam explosion. <i>Process Biochemistry</i> , 2007, 42, 1449-1453.	1.8	55
60	MODEL OF THE CONTINUOUS PREFERMENTATION PROCESS IN CHEESE MANUFACTURE AND STABILITY ANALYSIS OF STEADY STATE. <i>Journal of Food Process Engineering</i> , 2007, 30, 522-537.	1.5	2
61	Development of optimal culture method of <i>Sparassis crispa</i> mycelia and a new extraction method of antineoplastic constituent. <i>Biochemical Engineering Journal</i> , 2006, 30, 109-113.	1.8	21
62	Production of methane gas from Japanese cedar chips pretreated by various delignification methods. <i>Biochemical Engineering Journal</i> , 2006, 28, 30-35.	1.8	55
63	A novel treatment system of wastewater contaminated with copper by a moss. <i>Biochemical Engineering Journal</i> , 2006, 28, 295-298.	1.8	9
64	Determination of Cu, Pb, Fe, and Zn in Plant Component Polymers of a Hyperaccumulating Plant. <i>Analytical Sciences</i> , 2005, 21, 1553-1556.	0.8	2
65	Waste reduction system for production of useful materials from un-utilized bamboo using steam explosion followed by various conversion methods. <i>Biochemical Engineering Journal</i> , 2005, 23, 131-137.	1.8	46
66	Chemical characteristics and ethanol fermentation of the cellulose component in autohydrolyzed bagasse. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 346-352.	1.4	33
67	Bioconversion of lignocellulosic waste from selected dumping sites in Dar es Salaam, Tanzania. <i>Biodegradation</i> , 2005, 16, 493-499.	1.5	63
68	Development of a Novel Pulping Method without Generating Wastewater Using a Sodium Hydroxide Pretreatment and Steam Explosion. <i>Journal of Chemical Engineering of Japan</i> , 2005, 38, 158-161.	0.3	3
69	Phytoremediation of Soil Contaminated with Heavy Metals and Recovery of Valuable Metals. <i>Kagaku Kogaku Ronbunshu</i> , 2005, 31, 476-480.	0.1	1
70	Ozonolysis mechanism of lignin model compounds and microbial treatment of organic acids produced. <i>Water Science and Technology</i> , 2004, 50, 167-172.	1.2	30
71	Methane production from steam-exploded bamboo. <i>Journal of Bioscience and Bioengineering</i> , 2004, 97, 426-428.	1.1	89
72	Bioremediation of phenolic compounds having endocrine-disrupting activity using ozone oxidation and activated sludge treatment. <i>Biotechnology and Bioprocess Engineering</i> , 2004, 9, 151-155.	1.4	10

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73	Effect of repressor gene on stability of bioprocess with continuous conversion of starch into ethanol using recombinant yeast. <i>Biochemical Engineering Journal</i> , 2004, 18, 133-141.	1.8	6
74	Mathematical model of direct ethanol production from starch in immobilized recombinant yeast culture. <i>Biochemical Engineering Journal</i> , 2004, 21, 93-101.	1.8	23
75	Lignin-Degrading Enzymes from Mycelial Cultures of Basidiomycete Fungi Isolated in Tanzania. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 113-118.	0.3	10
76	Ozonolysis mechanism of lignin model compounds and microbial treatment of organic acids produced. <i>Water Science and Technology</i> , 2004, 50, 167-72.	1.2	7
77	Efficient production by <i>Escherichia coli</i> of recombinant protein using salting-out effect protecting against proteolytic degradation. <i>Biotechnology Letters</i> , 2003, 25, 779-782.	1.1	7
78	Production of antibacterial violet pigment by psychrotropic bacterium RT102 strain. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 37-40.	1.4	69
79	Anaerobic fermentation of woody biomass treated by various methods. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 179-182.	1.4	30
80	Ethanol production from artificial domestic household waste solubilized by steam explosion. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 205-209.	1.4	20
81	Biodegradation of endocrine-disrupting phenolic compounds using laccase followed by activated sludge treatment. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 294-298.	1.4	14
82	Mathematical model for growth process of a recombinant yeast having saccharification and fermentation activities. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 985-994.	1.6	9
83	Effect of repressor gene on stability of bioprocess with continuous conversion of starch into ethanol using recombinant yeast. <i>Biochemical Engineering Journal</i> , 2003, 18, 133-133.	1.8	0
84	Recombinant Protein Production by <i>Escherichia coli</i> BL21 (DE3) [pET-12-STAl] Using a Bioreactor with Cross-Flow Filtration.. <i>Journal of Chemical Engineering of Japan</i> , 2003, 36, 1480-1487.	0.3	1
85	Ethanol production from raw starch by a recombinant yeast having saccharification and fermentation activities. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1101-1106.	1.6	10
86	Isolation of a psychrotrophic bacterium from the organic residue of a water tank keeping rainbow trout and antibacterial effect of violet pigment produced from the strain. <i>Biochemical Engineering Journal</i> , 2002, 12, 79-86.	1.8	42
87	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1743-1747.	1.1	9
88	Study on Treatment System for Degradation of Phenol in the Presence of Copper Ion by Immobilized Cell.. <i>Journal of Environmental Chemistry</i> , 2002, 12, 325-331.	0.1	1
89	Study on Changes of Radionuclides Concentration in Pine Needles on Pref. Ishikawa and Its Transfer Process during Two Decades.. <i>Journal of Environmental Chemistry</i> , 2002, 12, 809-815.	0.1	0
90	Degradation of Kenaf Core by Steam Explosion and Saccharification for Useful Utilization of Biowaste.. <i>Journal of Chemical Engineering of Japan</i> , 2001, 34, 549-552.	0.3	6

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91	Resinification of Woody Lignin and Its Characteristics on Safety and Biodegradation.. Journal of Chemical Engineering of Japan, 2001, 34, 1309-1312.	0.3	18
92	Low energy steam explosion treatment of plant biomass. Journal of Chemical Technology and Biotechnology, 2001, 76, 139-146.	1.6	27
93	Mathematical model for ethanol production from mixed sugars by <i>Pichia stipitis</i> . Journal of Chemical Technology and Biotechnology, 2001, 76, 586-592.	1.6	19
94	Enhanced ethanol production from enzymatically treated steam-exploded rice straw using extractive fermentation. Journal of Chemical Technology and Biotechnology, 2001, 76, 879-884.	1.6	47
95	Degradation Mechanism of Kraft Pulp Wastewater with Ozone and Microbial Degradation of Organic Acids Produced.. Journal of Environmental Chemistry, 2001, 11, 43-49.	0.1	2
96	Purification of Kahokugata Lagoonal Water by Reed Bed System.. Journal of Environmental Chemistry, 2001, 11, 447-454.	0.1	0
97	Breeding and Incubation of Recombinant <i>Escherichia coli</i> Having Overexpression System of Cloned Gene for Effective Production of Glucoamylase.. Kagaku Kogaku Ronbunshu, 2000, 26, 687-692.	0.1	2
98	Biodegradation of phenol in the presence of heavy metals. Journal of Chemical Technology and Biotechnology, 2000, 75, 137-142.	1.6	17
99	Lignin-degrading enzyme production by <i>Bjerkandera adusta</i> immobilized on polyurethane foam. Journal of Bioscience and Bioengineering, 1999, 88, 41-47.	1.1	51
100	Breeding and Cultivation of Glucoamylase-Producing Yeast with Inactivation of MAT Locus.. Journal of Chemical Engineering of Japan, 1999, 32, 424-430.	0.3	8
101	Microbial Degradation of Phenol in the Presence of Heavy Metal Ion by Immobilized Bacterial Cells.. Journal of Environmental Chemistry, 1999, 9, 581-587.	0.1	0
102	Saccharification and alcohol fermentation in starch solution of steam-exploded potato. Applied Biochemistry and Biotechnology, 1998, 69, 177-189.	1.4	36
103	Biodegradation of Heavy Oil Spilled from the Russian Tanker, Nakhodka, on the Sea of Japan Coast.. Journal of Environmental Chemistry, 1998, 8, 787-796.	0.1	0
104	Lignin Peroxidase Production by <i>Phanerochaete Chrysosporium</i> Immobilized on Polyurethane Foam.. Journal of Chemical Engineering of Japan, 1997, 30, 1-6.	0.3	34
105	Alcohol fermentation of starch by a genetic recombinant yeast having glucoamylase activity. , 1997, 53, 21-25.		70
106	Microbial treatment of kraft pulp wastewater pretreated with ozone. Water Science and Technology, 1997, 35, 277-282.	1.2	8
107	Stability analysis of continuous culture in diauxic growth. Journal of Bioscience and Bioengineering, 1996, 81, 429-436.	0.9	6
108	Effects of fungal pretreatment and steam explosion pretreatment on enzymatic saccharification of plant biomass. Biotechnology and Bioengineering, 1995, 48, 719-724.	1.7	99

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109	Expression of Degradation Rate in Veratrole and Guaiacol of Lignin Model Compounds by Ozonolysis.. Journal of Japan Society on Water Environment, 1994, 17, 40-49.	0.1	1
110	Mathematical modeling for diauxic growth in immobilized cell culture. Journal of Bioscience and Bioengineering, 1994, 78, 361-367.	0.9	8
111	Modification of Rice Straw by Steam Explosion and Enzymatic Saccharification of Steam-Exploded Products.. Kagaku Kogaku Ronbunshu, 1991, 17, 504-510.	0.1	9
112	Mechanistic Studies on Ozonolysis of Lignin Wastewater Based on Ozonolysis of Lignin Model Compounds. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1989, 1989, 722-727.	0.1	3
113	Dynamic behavior of Bacillus sp. P77 growth by exchange of substrates and simulation by diauxic model.. Kagaku Kogaku Ronbunshu, 1989, 15, 754-760.	0.1	4
114	Growth inhibitory and lethal effects of ethanol on Escherichia coli. Biotechnology and Bioengineering, 1987, 29, 742-746.	1.7	14
115	Effect of explosive operation for effective utilization of biomass.. Kagaku Kogaku Ronbunshu, 1986, 12, 1-7.	0.1	8
116	A mechanism of ozonolysis of veratrole and guaiacol.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1986, 1986, 545-551.	0.1	1
117	Degradation of lignin in sulfite pulp wastewater by ozone.. Kagaku Kogaku Ronbunshu, 1985, 11, 247-252.	0.1	1
118	Mathematical model for diauxic growth of microorganisms in mixed substrate medium.. Journal of Chemical Engineering of Japan, 1984, 17, 478-485.	0.3	8
119	Biorefinery System of Lignocellulosic Biomass Using Steam Explosion. , 0, , .		2
120	Efficient conversion of moso bamboo components into glucose, lignocellulose nanofiber, and low-molecular-weight lignin through deep eutectic solvent treatment. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1
121	Steam Explosion Pretreatment: Biomass Waste Utilization for Methane Production. , 0, , .		1