

# Takashi Nakamura

## List of Publications by Year in descending order

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31  
papers

1,059  
citations

623734

14  
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454955

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31  
docs citations

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times ranked

1242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cylindrical Resonator-Type Microwave Heating Reactor with Real-Time Monitoring Function of Dielectric Property Applied to Drying Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 9119-9127.	3.7	5
2	Sheet-Type Flow Process Using Magnetic-Field-Induced Heating with Single-Mode Microwaves Applied to a Continuous Metal Nanoparticle Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 20447-20454.	3.7	8
3	Investigation of the Thermal Properties of Electrodes on the Film and Its Heating Behavior Induced by Microwave Irradiation in Mounting Processes. <i>Processes</i> , 2020, 8, 557.	2.8	3
4	Solvent-Free Fabrication of an Elastomeric Epoxy Resin Using Glycol Lignin from Japanese Cedar. <i>ACS Omega</i> , 2019, 4, 17251-17256.	3.5	17
5	Redox-coupled alkali-metal ion transport mechanism in binder-free films of Prussian blue nanoparticles. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4777-4787.	10.3	37
6	Microwave-assisted rapid synthesis of poly(butylene succinate): principal effect of microwave irradiation of accelerating the polycondensation reaction. <i>Polymer Journal</i> , 2018, 50, 347-354.	2.7	10
7	Effect of Thermal Base Generators on the FRP Fabrication with Glycol-Lignin. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 101-106.	0.3	3
8	Improvement of the Heat Resistance of Prussian Blue Nanoparticles in a Clay Film Composed of Smectite Clay and $\mu$ -Caprolactam. <i>Inorganic Chemistry</i> , 2018, 57, 6214-6217.	4.0	2
9	Suitability of Copper Nitride as a Wiring Ink Sintered by Low-Energy Intense Pulsed Light Irradiation. <i>Nanomaterials</i> , 2018, 8, 617.	4.1	5
10	Flexible Electronic Substrate Film Fabricated Using Natural Clay and Wood Components with Cross-Linking Polymer. <i>Advanced Materials</i> , 2017, 29, 1606512.	21.0	48
11	Influence of Fatty Acid Alkyl Chain Length on Anisotropy of Copper Nitride Nano-Crystallites. <i>Inorganics</i> , 2017, 5, 6.	2.7	1
12	Flexible clay glycol lignin nanocomposite film with heat durability and high moisture-barrier property. <i>Applied Clay Science</i> , 2016, 132-133, 425-429.	5.2	17
13	Stability of Copper Nitride Nanoparticles under High Humidity and in Solutions with Different Acidity. <i>Chemistry Letters</i> , 2015, 44, 755-757.	1.3	2
14	Preparation of plate-like copper nitride nanoparticles from a fatty acid copper(II) salt and detailed observations by high resolution transmission electron microscopy and high-angle annular dark-field scanning transmission electron microscopy. <i>Materials Letters</i> , 2015, 139, 271-274.	2.6	5
15	Preparation of copper nitride nanoparticles using urea as a nitrogen source in a long-chain alcohol. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	13
16	Preparation of Copper Nitride ( $\text{Cu}_3\text{N}$ ) Nanoparticles in Long-Chain Alcohols at 130–200 °C and Nitridation Mechanism. <i>Inorganic Chemistry</i> , 2014, 53, 710-715.	4.0	36
17	In-situ Raman spectroscopy of $\text{BaTiO}_3$ particles for tetragonal–cubic transformation. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 957-962.	4.0	114
18	Microwave-Assisted Polyester and Polyamide Synthesis. <i>Mini-Reviews in Organic Chemistry</i> , 2011, 8, 306-314.	1.3	11

#	ARTICLE	IF	CITATIONS
19	In-situ measurement of microwave absorption properties at 2.45GHz for the polycondensation of lactic acid. <i>Polymer</i> , 2010, 51, 329-333.	3.8	25
20	In Situ Observation of Nonequilibrium Local Heating as an Origin of Special Effect of Microwave on Chemistry. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8965-8970.	3.1	116
21	Large-Scale Polycondensation of Lactic Acid Using Microwave Batch Reactors. <i>Organic Process Research and Development</i> , 2010, 14, 781-786.	2.7	38
22	Preparation of Monodispersed Cu Nanoparticles by Microwave-Assisted Alcohol Reduction. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 224-232.	3.2	52
23	Preparation of Ag Core-Cu Shell Nanoparticles by Microwave-assisted Alcohol Reduction Process. <i>Chemistry Letters</i> , 2007, 36, 154-155.	1.3	38
24	Preparation of nano-sized YAG:Eu <sup>3+</sup> particles by a microwave-assisted polyol process and their luminescence properties. <i>Research on Chemical Intermediates</i> , 2006, 32, 331-339.	2.7	8
25	Homogeneous Ag Particle Formation Confirmed by Real-time In Situ Surface-enhanced Raman Scattering Measurements under Microwave Irradiation. <i>Chemistry Letters</i> , 2006, 35, 1396-1397.	1.3	17
26	Mapping of the Hot Spots for DNA Damage by One-Electron Oxidation: Efficacy of GG Doublets and GGG Triplets as a Trap in Long-Range Hole Migration. <i>Journal of the American Chemical Society</i> , 1998, 120, 12686-12687.	13.7	352
27	EXTRACTION OF LANTHANIDE(III) AND URANYL(VI) FROM NITRIC ACID SOLUTION BY N,N'-DIMETHYL-N,N'-DIBUTYLMALONAMIDE. <i>Solvent Extraction and Ion Exchange</i> , 1995, 13, 253-273.	2.0	56
28	NMR STUDY OF LANTHANIDE(III) NITRATE-CMPO EXTRACTION SYSTEM (I) STRUCTURE OF EXTRACTED CHEMICAL SPECIES. <i>Solvent Extraction and Ion Exchange</i> , 1994, 12, 931-949.	2.0	8
29	Extraction of Lanthanide(III) and Uranyl(VI) from Nitric Acid Solution by Malonamides. <i>Materials Research Society Symposia Proceedings</i> , 1994, 353, 1293.	0.1	4
30	Identification of two metabolites induced by a butyrolactone autoregulator IM-2 in <i>Streptomyces</i> sp. FRI-5. <i>FEMS Microbiology Letters</i> , 1994, 124, 307-313.	1.8	0
31	NMR STUDY OF LANTHANIDE(III) NITRATE-CMPO EXTRACTION SYSTEM (II) MOLECULAR MOVEMENT OF CMPO AND La(III)(NO <sub>3</sub> ) <sub>3</sub> -CMPO COMPLEX AND LIGAND-EXCHANGE REACTION FOR Eu(III)-CMPO AND Gd(III)-CMPO SYSTEMS. <i>Solvent Extraction and Ion Exchange</i> , 1994, 12, 951-965.	2.0	8