Takashi Nakamura

List of Publications by Year
in descending order

31 papers	1,059 citations	623734 14 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1242 citing authors

#	Article	IF	Citations
1	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. Journal of the American Chemical Society, 1998, 120, 12686-12687.	13.7	352
2	In Situ Observation of Nonequilibrium Local Heating as an Origin of Special Effect of Microwave on Chemistry. Journal of Physical Chemistry C, 2010, 114, 8965-8970.	3.1	116
3	In-situ Raman spectroscopy of BaTiO3 particles for tetragonalâ€“cubic transformation. Journal of Physics and Chemistry of Solids, 2013, 74, 957-962.	4.0	114
4	EXTRACTION OF LANTHANIDE(III) AND URANYL(VI) FROM NITRIC ACID SOLUTION BY N,N'-DIMETHYL-N,N'-DIBUTYLMALONAMIDE. Solvent Extraction and Ion Exchange, 1995, 13, 253-273.	2.0	56
5	Preparation of Monodispersed Cu Nanoparticles by Microwave-Assisted Alcohol Reduction. Bulletin of the Chemical Society of Japan, 2007, 80, 224-232.	3.2	52
6	Flexible Electronic Substrate Film Fabricated Using Natural Clay and Wood Components with Crossâ€Linking Polymer. Advanced Materials, 2017, 29, 1606512.	21.0	48
7	Preparation of Ag Coreâ€“Cu Shell Nanoparticles by Microwave-assisted Alcohol Reduction Process. Chemistry Letters, 2007, 36, 154-155.	1.3	38
8	Large-Scale Polycondensation of Lactic Acid Using Microwave Batch Reactors. Organic Process Research and Development, 2010, 14, 781-786.	2.7	38
9	Redox-coupled alkali-metal ion transport mechanism in binder-free films of Prussian blue nanoparticles. Journal of Materials Chemistry A, 2019, 7, 4777-4787.	10.3	37
10	Preparation of Copper Nitride (Cu₃N) Nanoparticles in Long-Chain Alcohols at 130â€“200 Â°C and Nitridation Mechanism. Inorganic Chemistry, 2014, 53, 710-715.	4.0	36
11	In-situ measurement of microwave absorption properties at 2.45GHz for the polycondensation of lactic acid. Polymer, 2010, 51, 329-333.	3.8	25
12	Homogeneous Ag Particle Formation Confirmed by Real-time In Situ Surface-enhanced Raman Scattering Measurements under Microwave Irradiation. Chemistry Letters, 2006, 35, 1396-1397.	1.3	17
13	Flexible clay glycol lignin nanocomposite film with heat durability and high moisture-barrier property. Applied Clay Science, 2016, 132-133, 425-429.	5.2	17
14	Solvent-Free Fabrication of an Elastomeric Epoxy Resin Using Glycol Lignin from Japanese Cedar. ACS Omega, 2019, 4, 17251-17256.	3.5	17
15	Preparation of copper nitride nanoparticles using urea as a nitrogen source in a long-chain alcohol. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	13
16	Microwave-Assisted Polyester and Polyamide Synthesis. Mini-Reviews in Organic Chemistry, 2011, 8, 306-314.	1.3	11
17	Microwave-assisted rapid synthesis of poly(butylene succinate): principal effect of microwave irradiation of accelerating the polycondensation reaction. Polymer Journal, 2018, 50, 347-354.	2.7	10
18	NMR STUDY OF LANTHANIDE(III) NITRATE-CMPO EXTRACTION SYSTEM (I) STRUCTURE OF EXTRACTEDCHEMICAL SPECIES. Solvent Extraction and Ion Exchange, 1994, 12, 931-949.	2.0	8

#	Article	IF	Citations
19	NMR STUDY OF LANTHANIDE(III) NITRATE-CMPO EXTRACTION SYSTEM (II)MOLECULAR MOVEMENT OF CMPO AND La(III)(NO₃)₃-CMPO COMPLEX AND LIGAND-EXCHANGE REACTION FOR Eu(III)-CMPO AND Gd(III)-CMPO SYSTEMS. Solvent Extraction and Ion Exchange, 1994, 12, 951-965.	2.0	8
20	Preparation of nano-sized YAG:Eu3+ particles by a microwave-assisted polyol process and their luminescence properties. Research on Chemical Intermediates, 2006, 32, 331-339.	2.7	8
21	Sheet-Type Flow Process Using Magnetic-Field-Induced Heating with Single-Mode Microwaves Applied to a Continuous Metal Nanoparticle Synthesis. Industrial & Engineering Chemistry Research, 2020, 59, 20447-20454.	3.7	8
22	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. Materials Letters, 2015, 139, 271-274.	2.6	5
23	Suitability of Copper Nitride as a Wiring Ink Sintered by Low-Energy Intense Pulsed Light Irradiation. Nanomaterials, 2018, 8, 617.	4.1	5
24	Cylindrical Resonator-Type Microwave Heating Reactor with Real-Time Monitoring Function of Dielectric Property Applied to Drying Processes. Industrial & Engineering Chemistry Research, 2021, 60, 9119-9127.	3.7	5
25	Extraction of Lanthanide(III) and Uranyl(VI) from Nitric Acid Solution by Malonamides. Materials Research Society Symposia Proceedings, 1994, 353, 1293.	0.1	4
26	Effect of Thermal Base Generators on the FRP Fabrication with Glycol-Lignin. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 101-106.	0.3	3
27	Investigation of the Thermal Properties of Electrodes on the Film and Its Heating Behavior Induced by Microwave Irradiation in Mounting Processes. Processes, 2020, 8, 557.	2.8	3
28	Stability of Copper Nitride Nanoparticles under High Humidity and in Solutions with Different Acidity. Chemistry Letters, 2015, 44, 755-757.	1.3	2
29	Improvement of the Heat Resistance of Prussian Blue Nanoparticles in a Clay Film Composed of Smectite Clay and Îµ-Caprolactam. Inorganic Chemistry, 2018, 57, 6214-6217.	4.0	2
30	Influence of Fatty Acid Alkyl Chain Length on Anisotropy of Copper Nitride Nano-Crystallites. Inorganics, 2017, 5, 6.	2.7	1
31	Identification of two metabolites induced by a butyrolactone autoregulator IM-2 inStreptomycessp. FRI-5. FEMS Microbiology Letters, 1994, 124, 307-313.	1.8	0