

Masayuki Nishi

List of Publications by Year in descending order

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26
papers

181
citations

1163117

8
h-index

1199594

12
g-index

27
all docs

27
docs citations

27
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Space-selective phase separation inside a glass by controlling compositional distribution with femtosecond-laser irradiation. Applied Physics A: Materials Science and Processing, 2010, 100, 1001-1005.	2.3	28
2	Heterogeneous-surface-mediated crystallization control. NPC Asia Materials, 2016, 8, e245-e245.	7.9	23
3	Role of partial molar enthalpy of oxides on Soret effect in high-temperature CaO-SiO ₂ melts. Scientific Reports, 2018, 8, 15489.	3.3	13
4	Crack Propagation in a Ruby Single Crystal by Femtosecond Laser Irradiation. Journal of the American Ceramic Society, 2009, 92, 3118-3121.	3.8	9
5	A Photoconductive, Thiophene-Fullerene Double-Cable Polymer, Nanorod Device. Journal of Physical Chemistry Letters, 2012, 3, 478-481.	4.6	9
6	Characterization of BaTiO ₃ nanocubes assembled into highly ordered monolayers using micro- and nano-Raman spectroscopy. Applied Physics Letters, 2018, 112, .	3.3	9
7	Nano-periodic structure formation on titanium thin film with a Femtosecond laser. Journal of the Ceramic Society of Japan, 2011, 119, 898-901.	1.1	8
8	Molecular dynamics simulation of the Soret effect in a CaSiO ₃ glass melt. Journal of the Ceramic Society of Japan, 2017, 125, 180-184.	1.1	8
9	Determination of thermodynamic and microscopic origins of the Soret effect in sodium silicate melts: Prediction of sign change of the Soret coefficient. Journal of Chemical Physics, 2021, 154, 074501.	3.0	8
10	Growth of Nanogold at Interfaces between Locally Induced Naked Silicon Surfaces and Pure HAuCl ₄ Solutions. Journal of the Electrochemical Society, 2016, 163, D743-D746.	2.9	7
11	Synthesis of Microsized Gold Plates with Nanometer Thickness via a Simple Solution Route using 3-mercaptopropyltrimethoxysilane. Journal of the Ceramic Society of Japan, 2007, 115, 944-946.	1.1	6
12	Selective growth of gold nanostructures on locally amorphized silicon. Journal of the Ceramic Society of Japan, 2014, 122, 543-546.	1.1	6
13	Photo-initiation of ZnO nanorod formation by femtosecond laser irradiation. Journal of the Ceramic Society of Japan, 2010, 118, 147-151.	1.1	5
14	Selective growth of gold nanoparticles on FIB-induced amorphous phase of Si substrate. Journal of the Ceramic Society of Japan, 2010, 118, 575-578.	1.1	5
15	Role of solvent in direct growth of gold nanostructures at the interface between focused ion beam-amorphized silicon and Au-ion-containing solution. Japanese Journal of Applied Physics, 2014, 53, 06JF06.	1.5	5
16	Soret coefficients of alkali oxides in alkali borate glass melts. Journal of the Ceramic Society of Japan, 2016, 124, 774-776.	1.1	5
17	Soret coefficient of a sodium borate melt: Experiment with a vertical furnace and thermodynamic theory. Journal of the Ceramic Society of Japan, 2018, 126, 997-1004.	1.1	5
18	Silver Growth on AFM Tip Apexes from Silver Nitrate Solutions Triggered by Focused-Ion-Beam Irradiation. MRS Advances, 2016, 1, 1865-1869.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Area-Selective Electroless Deposition of Gold Nanostructures on SiC Using Focused-Ion-Beam Preprocessing. Materials Research Society Symposia Proceedings, 2015, 1748, 14.	0.1	3
20	Substitutional reaction in Si-O network of molecular dynamics modeled liquid Na ₂ SiO ₃ : Microscopic and statistical study. Journal of the American Ceramic Society, 2019, 102, 4431-4439.	3.8	3
21	Focused-ion-beam-enabled electroless growth of gold nanoparticles on silicon. Journal of the Ceramic Society of Japan, 2018, 126, 614-624.	1.1	2
22	Teaching Android App Development to First Year Undergraduates: Textual Programming or Visual Programming?. , 2021, , .		2
23	Soret coefficient of a sodium germanate glass melt: Experiment, theory, and molecular dynamics simulation. Journal of the American Ceramic Society, 2020, 103, 6208-6214.	3.8	1
24	Single-particle Observation of Detonation Nanodiamonds by Tip-enhanced Raman Spectroscopy. Chemistry Letters, 2021, 50, 1188-1190.	1.3	1
25	Selective metallization of Ag ₂ O-dope silicate glass by femtosecond laser direct writing. Journal of the Ceramic Society of Japan, 2011, 119, 697-700.	1.1	0
26	Nanoscale Raman Imaging with Nanogold-Topped AFM Probes Fabricated by Area-Selective Electroless Deposition. Journal of the Electrochemical Society, 2018, 165, D711-D715.	2.9	0