

Tsuyoshi Honma

List of Publications by Year in descending order

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20
papers

714
citations

759233

12
h-index

752698

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docs citations

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times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of highly dispersed tin nanoparticles in amorphous silicates for sodium ion battery anode. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110377.	4.0	7
2	Nanoscale composition fluctuations and crystallization process: Case study in $\text{Li}_2\text{O}-\text{SiO}_2$ -based glasses. <i>International Journal of Applied Glass Science</i> , 2022, 13, 591-609.	2.0	5
3	Stress-induced crystal axis spiral rotation in multiferroic $\text{Gd}_2(\text{MoO}_4)_3$ observed only in glass crystallization. <i>International Journal of Applied Glass Science</i> , 2021, 12, 46-64.	2.0	4
4	Electronic polarizability in silicate glasses by comparison of experimental and theoretical optical basicities. <i>International Journal of Applied Glass Science</i> , 2021, 12, 424-442.	2.0	12
5	Synthesis and Na^+ Ion Conductivity of Stoichiometric $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$ by Liquid-Phase Sintering with NaPO_3 Glass. <i>Materials</i> , 2021, 14, 3790.	2.9	23
6	Phase selective crystallization of $\text{Na}_2\text{Mn}_{0.9}\text{Fe}_{0.1}\text{P}_2\text{O}_7$ glass by laser irradiation. <i>International Journal of Applied Glass Science</i> , 2020, 11, 112-119.	2.0	7
7	A review: A new insight for electronic polarizability and chemical bond strength in Bi_2O_3 -based glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120365.	3.1	17
8	Laser-induced modification and external pressureless joining $\text{Na}_2\text{FeP}_2\text{O}_7$ on solid electrolyte. <i>International Journal of Ceramic Engineering & Science</i> , 2020, 2, 332-341.	1.2	7
9	Enhanced rate capabilities in a glass-ceramic-derived sodium all-solid-state battery. <i>Scientific Reports</i> , 2020, 10, 9453.	3.3	41
10	Pressureless all-solid-state sodium ion battery consisting of sodium iron pyrophosphate glass-ceramic cathode and Al_2O_3 -alumina solid electrolyte composite. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6658-6667.	3.8	39
11	Surface crystallization and gas bubble formation during conventional heat treatment in $\text{Na}_2\text{MnP}_2\text{O}_7$ glass. <i>Journal of Non-Crystalline Solids</i> , 2019, 510, 36-41.	3.1	6
12	Crystallization behavior of $\text{Gd}_2(\text{MoO}_4)_3$ and $\text{Gd}_4\text{Mo}_7\text{O}_{27}$ in composition designed Gd_2O_3 - MoO_3 - B_2O_3 glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 437-442.	3.1	4
13	Updated definition of glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2018, 501, 3-10.	3.1	248
14	Crystallization behavior and electrochemical properties of $\text{Na}_2\text{Fe}_y\text{Mn}_{1-y}\text{P}_2\text{O}_7$ glass. <i>Journal of Non-Crystalline Solids</i> , 2018, 501, 153-158.	3.1	14
15	Transition and post-transition metal ions in borate glasses: Borate ligand speciation, cluster formation, and their effect on glass transition and mechanical properties. <i>Journal of Chemical Physics</i> , 2016, 145, 124501.	3.0	80
16	Triclinic $\text{Na}_2\text{Fe}_{1/2}\text{P}_2\text{O}_7/\text{C}$ glass-ceramics with high current density performance for sodium ion battery. <i>Journal of Power Sources</i> , 2013, 227, 31-34.	7.8	53
17	Fabrication of olivine-type $\text{LiMnFe}_2\text{PO}_4$ crystals via the glass-ceramic route and their lithium ion battery performance. <i>Ceramics International</i> , 2010, 36, 1137-1141.	4.8	42
18	Patterning of two-dimensional planar lithium niobate architectures on glass surface by laser scanning. <i>Optics Express</i> , 2010, 18, 8019.	3.4	43

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19	Writing of crystal lines and its optical properties of rare-earth ion (Er ³⁺ and Sm ³⁺) doped lithium niobate crystal on glass surface formed by laser irradiation. <i>Optical Materials</i> , 2008, 31, 315-319.	3.6	27
20	Patterning of <i>c</i> -axis-oriented Ba ₂ TiX ₂ O ₈ (X = Si, Ge) crystal lines in glass by laser irradiation and their second-order optical nonlinearities. <i>Journal of Materials Research</i> , 2008, 23, 885-888.	2.6	35