

Tsuyoshi Honma

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

714
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated definition of glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2018, 501, 3-10.	3.1	248
2	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
3	Triclinic Na ₂ Fe ¹⁺ /2P ₂ O ₇ /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
4	Patterning of two-dimensional planar lithium niobate architectures on glass surface by laser scanning. <i>Optics Express</i> , 2010, 18, 8019.	3.4	43
5	Fabrication of olivine-type LiMn Fe ¹⁺ 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
6	Enhanced rate capabilities in a glass-ceramic-derived sodium all-solid-state battery. <i>Scientific Reports</i> , 2020, 10, 9453.	3.3	41
7	Pressureless all-solid-state sodium ion battery consisting of sodium iron pyrophosphate glass-ceramic cathode and ³ Alumina solid electrolyte composite. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6658-6667.	3.8	39
8	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
9	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
10	Synthesis and Na ⁺ Ion Conductivity of Stoichiometric Na ₃ Zr ₂ Si ₂ PO ₁₂ by Liquid-Phase Sintering with NaPO ₃ Glass. <i>Materials</i> , 2021, 14, 3790.	2.9	23
11	A review: A new insight for electronic polarizability and chemical bond strength in Bi ₂ O ₃ -based glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120365.	3.1	17
12	Crystallization behavior and electrochemical properties of Na ₂ FeyMn ¹⁺ yP ₂ O ₇ glass. <i>Journal of Non-Crystalline Solids</i> , 2018, 501, 153-158.	3.1	14
13	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
14	Phase selective crystallization of Na ₂ Mn _{0.9} Fe _{0.1} P ₂ O ₇ glass by laser irradiation. <i>International Journal of Applied Glass Science</i> , 2020, 11, 112-119.	2.0	7
15	Laser-induced modification and external pressureless joining Na ₂ FeP ₂ O ₇ on solid electrolyte. <i>International Journal of Ceramic Engineering & Science</i> , 2020, 2, 332-341.	1.2	7
16	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
17	Surface crystallization and gas bubble formation during conventional heat treatment in Na ₂ MnP ₂ O ₇ glass. <i>Journal of Non-Crystalline Solids</i> , 2019, 510, 36-41.	3.1	6
18	Nanoscale composition fluctuations and crystallization process: Case study in Li ₂ O-SiO ₂ -based glasses. <i>International Journal of Applied Glass Science</i> , 2022, 13, 591-609.	2.0	5

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19	Crystallization behavior of $\text{Gd}_2(\text{MoO}_4)_3$ and $\text{Gd}_4\text{Mo}_7\text{O}_{27}$ in composition designed $\text{Gd}_2\text{O}_3\text{-MoO}_3\text{-B}_2\text{O}_3$ glasses. Journal of Non-Crystalline Solids, 2018, 498, 437-442.	3.1	4
20	Stress-induced crystal axis spiral rotation in multiferroic $\text{Gd}_2(\text{MoO}_4)_3$ observed only in glass crystallization. International Journal of Applied Glass Science, 2021, 12, 46-64.	2.0	4