

# Henrik Bradtmüller

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Structural and luminescence characterization of europium-doped niobium germanate glasses and glass-ceramics: Novel insights from $^{93}\text{Nb}$ solid-state NMR spectroscopy. <i>Ceramics International</i> , 2022, 48, 20801-20808.	4.8	5
2	Composition-Structure-Solubility Relationships in Borosilicate Glasses: Toward a Rational Design of Bioactive Glasses with Controlled Dissolution Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31495-31513.	8.0	15
3	Aerogelation of Polymer-Coated Photoluminescent, Plasmonic, and Magnetic Nanoparticles for Biosensing Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 6678-6688.	5.0	13
4	Solid-State Nuclear Magnetic Resonance Techniques for the Structural Characterization of Geminal Alane-Phosphane Frustrated Lewis Pairs and Secondary Adducts. <i>Chemistry - A European Journal</i> , 2021, 27, 13249-13257.	3.3	4
5	Network former mixing (NFM) effects in alkali germanotellurite glasses. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159835.	5.5	5
6	Network former mixing effects in alkali germanotellurite glasses: A vibrational spectroscopic study. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160782.	5.5	8
7	Combined Experimental and Computational Approach toward the Structural Design of Borosilicate-Based Bioactive Glasses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17655-17674.	3.1	18
8	Structural aspects of the glass-to-crystal transition in sodium-calcium silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 535, 119844.	3.1	10
9	Effect of boron incorporation on the bioactivity, structure, and mechanical properties of ordered mesoporous bioactive glasses. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1456-1465.	5.8	32
10	Isothermal evolution of phase composition, structural parameters, and ionic conductivity in $\text{Na}_{1+\text{Al}}\text{Ge}_2\text{-(PO}_4)_3$ glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2020, 533, 119725.	3.1	5
11	$\text{BiF}_3$ Incorporation in Na/Ba Mixed Network Modifier Fluoride-Phosphate Glasses: Structural Studies by Solid-State NMR and Raman Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25578-25587.	3.1	4
12	Structural Origins of Crack Resistance on Magnesium Aluminoborosilicate Glasses Studied by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14941-14954.	3.1	21
13	Rare-earth solid-state NMR spectroscopy of intermetallic compounds: The case of the $^{175}\text{Lu}$ isotope. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 101, 63-67.	2.3	4
14	Structural characterization of boron-containing glassy and semi-crystalline Biosilicate <sup>®</sup> by multinuclear NMR. <i>Journal of Non-Crystalline Solids</i> , 2019, 505, 390-399.	3.1	5
15	Glass-to-crystal transition in the NASICON glass-ceramic system $\text{Na}_{1+\text{xAlx}}\text{M}_2\text{x(PO}_4)_3$ (M=Ge, Ti). <i>Journal of Non-Crystalline Solids</i> , 2018, 489, 91-101.	3.1	9
16	Structural Studies of $\text{NaPO}_3\text{-AlF}_3$ Glasses by High-Resolution Double-Resonance Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21579-21588.	3.1	29
17	Recoupling dipolar interactions with multiple $I=1$ quadrupolar nuclei: A $^{11}\text{B}\{^6\text{Li}\}$ and $^{31}\text{P}\{^6\text{Li}\}$ rotational echo double resonance study of lithium borophosphate glasses. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 143-150.	2.3	7