

# Henrik Bradtmüller

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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1058476

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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
2	Structural Studies of NaPO <sub>3</sub> AlF <sub>3</sub> Glasses by High-Resolution Double-Resonance Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21579-21588.	3.1	29
3	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
4	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
5	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
6	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
7	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
8	Glass-to-crystal transition in the NASICON glass-ceramic system Na <sub>1+x</sub> Al <sub>x</sub> M <sub>2-2x</sub> (PO <sub>4</sub> ) <sub>3</sub> (M=Ge, Ti). <i>Journal of Non-Crystalline Solids</i> , 2018, 489, 91-101.	3.1	9
9	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
10	Recoupling dipolar interactions with multiple I=1 quadrupolar nuclei: A <sup>11</sup> B{ <sup>6</sup> Li} and <sup>31</sup> P{ <sup>6</sup> Li} rotational echo double resonance study of lithium borophosphate glasses. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 143-150.	2.3	7
11	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
12	Network former mixing (NFM) effects in alkali germanotellurite glasses. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159835.	5.5	5
13	Isothermal evolution of phase composition, structural parameters, and ionic conductivity in Na <sub>1+x</sub> Al <sub>x</sub> Ge <sub>2-x</sub> (PO <sub>4</sub> ) <sub>3</sub> glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2020, 533, 119725.	3.1	5
14	Structural and luminescence characterization of europium-doped niobium germanate glasses and glass-ceramics: Novel insights from <sup>93</sup> Nb solid-state NMR spectroscopy. <i>Ceramics International</i> , 2022, 48, 20801-20808.	4.8	5
15	Rare-earth solid-state NMR spectroscopy of intermetallic compounds: The case of the <sup>175</sup> Lu isotope. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 101, 63-67.	2.3	4
16	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
17	BiF <sub>3</sub> 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