

# Hadi Barzegar-Bafrooei

## List of Publications by Year in descending order

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16  
papers

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#	ARTICLE	IF	CITATIONS
1	Effect of heat treatment on the properties of non-stoichiometric Ba <sub>3</sub> CoNb <sub>2</sub> O <sub>9</sub> ceramics: Evaluation of crystal structure, order-disorder behavior, and dielectric characteristics. Journal of the European Ceramic Society, 2022, 42, 3224-3224.	2.8	2
2	Microwave dielectric properties of Mg <sub>1.8</sub> R <sub>0.2</sub> Al <sub>4</sub> Si <sub>5</sub> O <sub>18</sub> (R = Mg, Ca, Sr, Ba, Mn, Co, Ni, Cu, Zn) cordierite ceramics and their application for 5G microstrip patch antenna. Journal of the European Ceramic Society, 2022, 42, 2254-2260.	2.8	33
3	Ca <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub> : Novel low-permittivity microwave dielectric ceramics for 5G application. Materials Letters, 2020, 263, 127248.	1.3	27
4	Bond characteristics and microwave dielectric properties of (Li <sub>0.5</sub> Ga <sub>0.5</sub> ) <sup>2+</sup> doped Mg <sub>2</sub> Al <sub>4</sub> Si <sub>5</sub> O <sub>18</sub> ceramics. Ceramics International, 2020, 46, 28631-28638.	2.3	33
5	High-performance ZnTiNb <sub>2</sub> O <sub>8</sub> microwave dielectric ceramics produced from ZnNb <sub>2</sub> O <sub>6</sub> •TiO <sub>2</sub> nano powders. Journal of Alloys and Compounds, 2020, 834, 155082.	2.8	16
6	Effect of synthesis and sintering technique on the long-range 1:3 cation ordering and microwave dielectric loss of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> ceramics. Ceramics International, 2020, 46, 20905-20913.	2.3	8
7	Effects of structural transition on microwave dielectric properties of Sr <sub>3</sub> (Ti <sub>1</sub> -Sn) <sub>2</sub> O <sub>7</sub> ceramics. Journal of the European Ceramic Society, 2019, 39, 4794-4799.	2.8	21
8	3D-printed barium strontium titanate-based piezoelectric scaffolds for bone tissue engineering. Ceramics International, 2019, 45, 14029-14038.	2.3	45
9	Crystal structure, infrared reflectivity spectra and microwave dielectric properties of CaAl <sub>2</sub> O <sub>4</sub> ceramics with low permittivity. Journal of Alloys and Compounds, 2019, 791, 1033-1037.	2.8	43
10	Study on structure, microstructure and microwave dielectric characteristics of CaV <sub>2</sub> O <sub>6</sub> and (Ca <sub>0.95</sub> M <sub>0.05</sub> )V <sub>2</sub> O <sub>6</sub> (M=Zn, Ba) ceramics. Journal of the American Ceramic Society, 2019, 102, 5213-5222.	1.9	27
11	Taguchi design for optimization of structural and mechanical properties of hydroxyapatite-alumina-titanium nanocomposite. Ceramics International, 2019, 45, 10097-10105.	2.3	25
12	Effect of Ti-ion non-stoichiometry on microstructure and microwave dielectric characteristic of Li <sub>2</sub> ZnTi <sub>3</sub> O <sub>8</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 13516-13525.	1.1	4
13	Microwave-assisted sintering of Al <sub>2</sub> O <sub>3</sub> -MWCNT nanocomposites. Ceramics International, 2017, 43, 6105-6109.	2.3	13
14	Microwave-assisted synthesis and sintering of potassium sodium niobate lead-free piezoelectric ceramics. Ceramics International, 2014, 40, 871-877.	2.3	59
15	Two step sintering of a novel calcium magnesium silicate bioceramic: Sintering parameters and mechanical characterization. Journal of the European Ceramic Society, 2014, 34, 4001-4009.	2.8	18
16	Effect of Al <sub>2</sub> O <sub>3</sub> phases on the enhancement of thermal conductivity and viscosity of nanofluids in engine oil. Heat and Mass Transfer, 2011, 47, 1401-1405.	1.2	56