

# Hamid Reza Baharvandi

## List of Publications by Year in descending order

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21  
papers

344  
citations

759233

12  
h-index

839539

18  
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21  
all docs

21  
docs citations

21  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of different sintering methods on the properties of SiC-TiC, SiC-TiB <sub>2</sub> composites. International Journal of Refractory Metals and Hard Materials, 2018, 70, 19-31.	3.8	58
2	Comparing the effects of different sintering methods for ceramics on the physical and mechanical properties of B <sub>4</sub> C-TiB <sub>2</sub> nanocomposites. International Journal of Refractory Metals and Hard Materials, 2015, 51, 224-232.	3.8	49
3	Processing and Mechanical Properties of Boron Carbide-Titanium Diboride Ceramic Matrix Composites. Applied Composite Materials, 2006, 13, 191-198.	2.5	38
4	Effect of silica weight fraction on rheological and quasi-static puncture characteristics of shear thickening fluid-treated Twaron® composite. Journal of Industrial Textiles, 2016, 46, 473-494.	2.4	20
5	Investigating the quasi-static puncture resistance of p-aramid nanocomposite impregnated with the shear thickening fluid. Journal of Reinforced Plastics and Composites, 2014, 33, 2064-2072.	3.1	18
6	The effect of TiO <sub>2</sub> additive on sinterability and properties of SiC-Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> composite system. Ceramics International, 2018, 44, 16535-16542.	4.8	18
7	The effect of TiO <sub>2</sub> additive on the electrical resistivity and mechanical properties of pressureless sintered SiC ceramics with Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> . International Journal of Refractory Metals and Hard Materials, 2018, 76, 141-148.	3.8	17
8	Thermodynamical evaluation, microstructural characterization and mechanical properties of B <sub>4</sub> C-TiB <sub>2</sub> nanocomposite produced by in-situ reaction of Nano-TiO <sub>2</sub> . Ceramics International, 2020, 46, 26970-26984.	4.8	17
9	Effect of in situ VSi <sub>2</sub> and SiC phases on the sintering behavior and the mechanical properties of HfB <sub>2</sub> -based composites. Scientific Reports, 2020, 10, 16540.	3.3	16
10	The effect of AlN-Y <sub>2</sub> O <sub>3</sub> compound on properties of pressureless sintered SiC ceramics-A review. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105420.	3.8	15
11	Fabrication of SiC bodies by optimized gel-casting method. International Journal of Refractory Metals and Hard Materials, 2019, 81, 225-232.	3.8	14
12	The effect of Cr <sub>2</sub> O <sub>3</sub> additions on sinterability and mechanical properties of liquid-phase sintered SiC ceramics. Journal of Alloys and Compounds, 2020, 829, 154501.	5.5	14
13	The effect of nano-TiO <sub>2</sub> additions on the densification and mechanical properties of SiC-matrix composite. Ceramics International, 2020, 46, 6477-6483.	4.8	10
14	Studying the mechanical properties of composites made of Kenaf-Nylon 66 fabric, silica nanoparticles, and epoxy resin. Polymer Composites, 2016, 37, 674-683.	4.6	9
15	Electroless nickel-boron coating on B <sub>4</sub> C-Nano TiB <sub>2</sub> composite powders. International Journal of Refractory Metals and Hard Materials, 2018, 76, 58-71.	3.8	7
16	The effect of graphene addition on the properties of SiC ceramics—a review. Journal of the Australian Ceramic Society, 2022, 58, 437-460.	1.9	6
17	DENSIFICATION AND MECHANICAL PROPERTIES OF TiB <sub>2</sub> -SiC NANOCOMPOSITE WITH SILICON CARBAID AS A SINTERING AID. International Journal of Modern Physics Conference Series, 2012, 05, 598-606.	0.7	5
18	Effects of ZrC content on the synthesis of MAX phase and mechanical properties of Cf-C-SiC-Ti <sub>3</sub> SiC <sub>2</sub> -ZrC composites. Ceramics International, 2018, 44, 18039-18047.	4.8	5

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19	Experimental investigation and validation on the effect of nickel addition on properties of the pressureless sintered boron carbide composites using machine learning models. <i>Ceramics International</i> , 2022, 48, 13205-13215.	4.8	4
20	Improvement toughness of SiC ceramic by adding Cr <sub>2</sub> O <sub>3</sub> and annealing process. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 1097-1106.	1.9	2
21	Pressureless sintering of SiC matrix composites reinforced with nano- $\beta$ -SiC and graphene. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 729-741.	2.3	2