

# Hasan Ahmadian Baghbaderani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2336143/publications.pdf>

Version: 2024-02-01

10  
papers

157  
citations

1307594

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1372567

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docs citations

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times ranked

182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of nanostructure formation mechanism and magnetic properties in Fe <sub>45</sub> Co <sub>45</sub> Ni <sub>10</sub> system synthesized by mechanical alloying. Powder Technology, 2012, 230, 241-246.	4.2	51
2	The effect of Si addition on the microstructure and magnetic properties of Permalloy prepared by mechanical alloying method. Advanced Powder Technology, 2013, 24, 235-241.	4.1	29
3	Fabrication and soft magnetic properties of rapidly quenched Co-Fe-B-Si-Nb ultra-thin amorphous ribbons. Journal of Magnetism and Magnetic Materials, 2019, 483, 54-58.	2.3	21
4	Role of Different Fractions of Nano-size SiC and Milling Time on the Microstructure and Mechanical Properties of Al-SiC Nanocomposites. Transactions of the Indian Institute of Metals, 2016, 69, 1007-1014.	1.5	12
5	Low temperature sintering of magnetic Ni <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ceramics prepared from mechanochemically synthesized nanopowders. Ceramics International, 2019, 45, 5491-5495.	4.8	12
6	Improved magnetic performance of Cobalt-based ribbons by nanocrystallization through magnetic annealing. Journal of Magnetism and Magnetic Materials, 2020, 503, 166630.	2.3	9
7	On the mechanisms limiting power loss in amorphous CoFeB-based melt-spun ribbons. Journal of Magnetism and Magnetic Materials, 2020, 502, 166535.	2.3	8
8	Novel predictive methodology of amorphisation of gas-atomised Fe-Si-B alloy powders. Journal of Non-Crystalline Solids, 2021, 574, 121151.	3.1	7
9	Thermodynamics modeling of cohesive energy of metallic nano-structured materials. Materials and Design, 2017, 114, 521-530.	7.0	6
10	CALPHAD-assisted development of in-situ nanocrystallised melt-spun Co-Fe-B alloy with high B (1.57 T). Journal of Alloys and Compounds, 2021, 877, 160194.	5.5	2