

# Zhezhen Fu

## List of Publications by Year in descending order

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13  
papers

490  
citations

840119

11  
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1125271

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docs citations

14  
times ranked

717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Behavior of the Metal Interface in Lithium Metalâ€“Garnet Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14942-14947.	7.2	227
2	Ultrafine TiB <sub>2</sub> -TiNiFeCrCoAl high-entropy alloy composite with enhanced mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 184-188.	2.6	46
3	Processing and characterization of TiB <sub>2</sub> -TiNiFeCrCoAl high-entropy alloy composite. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2803-2813.	1.9	36
4	Sintering and mechanical properties of TiB <sub>2</sub> -TiC-Ni using submicron borides and carbides. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 278-288.	2.6	35
5	Synthesis of TiB <sub>2</sub> from a carbon-coated precursors method. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2471-2481.	1.9	28
6	TiNiFeCrCoAl high-entropy alloys as novel metallic binders for TiB <sub>2</sub> -TiC based composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 302-309.	2.6	28
7	Probing the Mechanical Properties of a Doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Garnet Thin Electrolyte for Solid-State Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24693-24700.	4.0	24
8	Synthesis of TiC-TiB <sub>2</sub> composite powders from carbon coated TiO <sub>2</sub> precursors. <i>Ceramics International</i> , 2016, 42, 12231-12238.	2.3	21
9	Development of La(CrCoFeNi)O <sub>3</sub> system perovskites as interconnect and cathode materials for solid oxide fuel cells. <i>Ceramics International</i> , 2017, 43, 7647-7652.	2.3	13
10	Predicting the flexural strength of Li-ion-conducting garnet type oxide for solid-state batteries. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5186-5195.	1.9	13
11	Transient Behavior of the Metal Interface in Lithium Metalâ€“Garnet Batteries. <i>Angewandte Chemie</i> , 2017, 129, 15138-15143.	1.6	12
12	Nanoindentation mechanical properties of TiB <sub>2</sub> -TiC-TiNiFeCrCoAl high-entropy alloys cermet: A comparison study with WC-Co. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 98, 105564.	1.7	4
13	Effect of atomic layer deposited Al <sub>2</sub> O <sub>3</sub> and subsequent annealing on the nanomechanical properties on various substrates. <i>Journal of Materials Science</i> , 2021, 56, 7879-7888.	1.7	3