

# Serhii Tkachenko

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

164  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Tiâ€“Siâ€“C composites for SOFC interconnect materials: Production optimization. <i>Ceramics International</i> , 2022, 48, 27785-27798.	4.8	10
2	The Effect of Al Addition on the Tribological Behavior of Tiâˆ“Siâˆ“Zr Alloys. <i>Journal of Tribology</i> , 2019, 141, .	1.9	2
3	Strength and fracture mechanism of iron reinforced tricalcium phosphate cermet fabricated by spark plasma sintering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 81, 16-25.	3.1	11
4	Wear of grinding rotors with thermally-sprayed coatings in a high-speed mill. <i>Wear</i> , 2018, 412-413, 49-59.	3.1	5
5	Metal matrix to ceramic matrix transition via feedstock processing of SPS titanium composites alloyed with high silicone content. <i>Journal of Alloys and Compounds</i> , 2018, 764, 776-788.	5.5	20
6	Interpenetrated Magnesiumâ€“Tricalcium Phosphate Composite: Manufacture, Characterization and In Vitro Degradation Test. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 319-325.	2.9	3
7	Isothermal oxidation behavior of experimental Tiâˆ“Alâˆ“Si alloys at 700ÂˆC in air. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1098-1108.	5.5	20
8	Tribological Performance of Tiâ€“Si-Based in Situ Composites. <i>Tribology Transactions</i> , 2016, 59, 340-351.	2.0	6
9	Wear and friction properties of experimental Tiâ€“Siâ€“Zr alloys for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 61-72.	3.1	32
10	Mechanical and tribological behavior of silicon nitride and silicon carbon nitride coatings for total joint replacements. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 25, 41-47.	3.1	41
11	Titanium â€œironsâ€ and titanium â€œsteelsâ€. <i>Metal Science and Heat Treatment</i> , 2009, 51, 12-18.	0.6	14
12	Oxidation of Experimental Ti-Si-Al Based Alloys. <i>Solid State Phenomena</i> , 0, 258, 391-394.	0.3	0