

# Joydip Joardar

## List of Publications by Year in descending order

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28  
papers

295  
citations

949033

11  
h-index

1051228

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	High strength and plasticity in Cr-Al-C composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 835, 142684.	2.6	1
2	Spark plasma sintering behavior and structural stability of 2D- WS2 nanosheets. Ceramics International, 2022, 48, 25151-25158.	2.3	3
3	Influence of heating rate on formation of nanostructured tungsten carbides during thermo-chemical processing. Advanced Powder Technology, 2021, 32, 121-130.	2.0	5
4	Structure and mechanical properties of nanostructured Rhombohedral Cr5Al8. Materials Characterization, 2021, 172, 110862.	1.9	3
5	An advancement in the synthesis of unique soft magnetic CoCuFeNiZn high entropy alloy thin films. Scientific Reports, 2021, 11, 8836.	1.6	26
6	Band-gap engineering in novel delafossite-type multicomponent oxides for photocatalytic degradation of methylene blue. Materials Research Bulletin, 2021, 137, 111181.	2.7	11
7	Observations of multi-component boride precipitates in ultrahard boron carbide. Materials Characterization, 2021, 176, 111106.	1.9	2
8	The first report on formation of Al-W-Cu grain boundary phase and its influence on mechanical behavior of 2D-WS2 reinforced Al-4Cu alloy matrix composites. Journal of Alloys and Compounds, 2021, 883, 160792.	2.8	3
9	2D-Nanolayered Tungsten and Molybdenum Disulfides: Structure, Properties, Synthesis, and Processing for Strategic Applications. , 2020, , 75-120.		2
10	Preparation and characterization of nanoboron by cryo-milling. Advanced Powder Technology, 2020, 31, 3824-3832.	2.0	9
11	A Study on Corrosion Resistance and Mechanical Performance of 6061 Aluminium Alloy: Galvanized Mild Steel Electron Beam Welds at Varying Welding Parameters. Transactions of the Indian Institute of Metals, 2020, 73, 881-895.	0.7	4
12	2D-Nanolayered Tungsten and Molybdenum Disulfides: Structure, Properties, Synthesis, and Processing for Strategic Applications. , 2020, , 1-47.		2
13	Ferroelectric and piezoelectric properties of Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.90</sub> Zr <sub>0.10</sub> O <sub>3</sub> films in 200 nm thickness range. Journal of the American Ceramic Society, 2019, 102, 1277-1286.	1.9	15
14	Nanocrystalline ODS-iron aluminide by cryo-milling: consolidation, microstructure and mechanical behavior. Materials Research Express, 2019, 6, 106572.	0.8	1
15	Effect of secondary phases' structure on the dielectric properties of $\hat{I}^2$ -SiAlON. Materials Characterization, 2019, 155, 109815.	1.9	9
16	Al-Steel Joining by CMT Weld Brazing: Effect of Filler Wire Composition and Pulsing on the Interface and Mechanical Properties. Transactions of the Indian Institute of Metals, 2019, 72, 2763-2772.	0.7	10
17	Effect of varying weld speed on corrosion resistance and mechanical behavior of Aluminium - steel welds fabricated by cold metal transfer technique. Materials and Manufacturing Processes, 2019, 34, 1627-1637.	2.7	16
18	Oxidation of 2D-WS <sub>2</sub> nanosheets for generation of 2D-WS <sub>2</sub> /WO <sub>3</sub> heterostructure and 2D and nanospherical WO <sub>3</sub> . Physical Chemistry Chemical Physics, 2019, 21, 25139-25147.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Effect of alloying elements on the microstructure, coefficient of friction, in-vitro corrosion and antibacterial nature of selected Ti-Nb alloys. Applied Surface Science, 2019, 469, 617-623.	3.1	24
20	Fabrication of conducting polymer modified CdS photoanodes for photoelectrochemical cell. Thin Solid Films, 2018, 661, 84-91.	0.8	7
21	Nano-architecture based photoelectrochemical water oxidation efficiency enhancement by CdS photoanodes. Materials Research Express, 2017, 4, 026203.	0.8	5
22	Non-FCC rich Au crystallites exhibiting unusual catalytic activity. Nano Research, 2017, 10, 2271-2279.	5.8	17
23	Structural Evolution during Milling, Annealing, and Rapid Consolidation of Nanocrystalline Fe <sub>10</sub> Cr <sub>3</sub> Al Powder. Materials, 2017, 10, 272.	1.3	10
24	Effect of chromium and aluminum addition on anisotropic and microstructural characteristics of ball milled nanocrystalline iron. Journal of Alloys and Compounds, 2016, 671, 164-169.	2.8	12
25	Influence of applied pressure during field-assisted sintering of Ti(C,N)-WC-FeAl based nanocomposite. Ceramics International, 2015, 41, 1986-1993.	2.3	15
26	Nanocrystalline Phases During Mechanically Activated Processing of an Iron (Fe) Aluminum (40 at%) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	2.7	6
27	Nanostructured $\hat{1}\pm/\hat{1}^2$ -tungsten by reduction of WO <sub>3</sub> under microwave plasma. International Journal of Refractory Metals and Hard Materials, 2011, 29, 128-133.	1.7	24
28	Structural stability of $\hat{1}\pm/\hat{1}^2$ -Mo <sub>2</sub> C during thermochemical processing. Journal of Alloys and Compounds, 2010, 494, 386-391.	2.8	32