

# Soumitra Dinda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5018327/publications.pdf>

Version: 2024-02-01

14  
papers

237  
citations

1684188

5  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D imaging and quantification of porosity in electron beam welded dissimilar steel to Fe-Al alloy joints by X-ray tomography. <i>Materials and Design</i> , 2016, 96, 224-231.	7.0	60
2	X-ray tomography study on porosity in electron beam welded dissimilar copper-304SS joints. <i>Vacuum</i> , 2018, 149, 200-206.	3.5	43
3	Effect of beam oscillation on porosity and intermetallics of electron beam welded DP600-steel to Al 5754-alloy. <i>Journal of Materials Processing Technology</i> , 2019, 265, 191-200.	6.3	43
4	Microstructure and mechanical properties of electron beam welded dissimilar steel to Fe-Al alloy joints. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 677, 182-192.	5.6	36
5	Effect of weld parameters on porosity formation in electron beam welded Zircaloy-4 joints: X-ray tomography study. <i>Vacuum</i> , 2018, 158, 172-179.	3.5	30
6	Texture mapping in electron beam welded dissimilar copper-stainless steel joints by neutron diffraction. <i>Vacuum</i> , 2020, 181, 109668.	3.5	4
7	Neutron diffraction bulk texture study with impact property correlation of electron beam welded dissimilar Fe-7%Al alloy to steel joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1499-1508.	3.0	4
8	Effect of Beam Oscillation on Electron Beam Butt Welded Dual-Phase (DP600) Steel to 5754 Aluminum Alloy Joints. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1723-1731.	2.2	4
9	Phase Evolution-Dependent Nanomechanical Properties of Al86Ni8Y6 and Al86Ni6Y4.5Co2La1.5 Spark Plasma-Sintered Bulk Amorphous Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 5110-5119.	2.2	3
10	Study of micro-porosity in electron beam butt welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 4583-4600.	3.0	3
11	Numerical Modeling of Volatile Organic Compounds (VOC) Emissions during Preheating of Magnesia-Carbon Bricks in a Basic Oxygen Furnace. <i>Metals</i> , 2020, 10, 1277.	2.3	1
12	Ensemble prediction of mean bubble size in a continuous casting mold using data driven modeling techniques. <i>Machine Learning With Applications</i> , 2021, 6, 100180.	4.4	1
13	Defects Comparison Between Single- and Double-Sided Electron Beam Welded Dissimilar DP600 Steel to 5754 Al Alloy Joints: X-Ray Tomography Study. <i>Minerals, Metals and Materials Series</i> , 2020, , 1107-1116.	0.4	1
14	X-ray Radiography Study on Defect Analysis of Electron Beam Welded Plain C-Steel and Fe-7% Al Alloy Joints. <i>Minerals, Metals and Materials Series</i> , 2021, , 346-356.	0.4	0