

# Animesh K Basak

## List of Publications by Year in descending order

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28  
papers

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citations

933447

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h-index

839539

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g-index

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28  
docs citations

28  
times ranked

326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Hole Quality in Drilling of Al 6061 Alloys. <i>Materials</i> , 2018, 11, 2443.	2.9	80
2	Methods and variables in Electrical discharge machining of titanium alloy “ A review. <i>Heliyon</i> , 2020, 6, e05554.	3.2	43
3	Processing of duplex stainless steel by WEDM. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1559-1567.	4.7	25
4	A Review on Mechanical Properties of Natural Fibre Reinforced Polymer Composites under Various Strain Rates. <i>Journal of Composites Science</i> , 2021, 5, 130.	3.0	24
5	Recast Layer Formation during Wire Electrical Discharge Machining of Titanium (Ti-Al6-V4) Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8926-8935.	2.5	21
6	Burr formation during drilling of mild steel at different machining conditions. <i>Materials and Manufacturing Processes</i> , 2019, 34, 726-735.	4.7	20
7	Nanoscale Study of Clausthalite-Bearing Symplectites in Cu-Au-(U) Ores: Implications for Ore Genesis. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 67.	2.0	18
8	Magneto-Rheological Fluid Assisted Abrasive Nanofinishing of $\beta$ -Phase Ti-Nb-Ta-Zr Alloy: Parametric Appraisal and Corrosion Analysis. <i>Materials</i> , 2020, 13, 5156.	2.9	18
9	Milling of Nanoparticles Reinforced Al-Based Metal Matrix Composites. <i>Journal of Composites Science</i> , 2018, 2, 13.	3.0	16
10	Failure Mechanisms of Nanoparticle Reinforced Metal Matrix Composite. <i>Advanced Materials Research</i> , 0, 774-776, 548-551.	0.3	14
11	Effect of machining parameters on deformation behaviour of Al-based metal matrix composites under tension. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 217-225.	2.4	12
12	Deformation of Ti-Based Bulk Metallic Glass Under a Cutting Tip. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	11
13	Micro-mechanical characterization of superficial layer synthesized by electric discharge machining process. <i>Materials Letters</i> , 2021, 305, 130769.	2.6	11
14	Quantitative prediction of phase transformations in silicon during nanoindentation. <i>Philosophical Magazine Letters</i> , 2013, 93, 448-456.	1.2	10
15	Study of effective parameters on wear behavior of rubbers based on statistical methods. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1415-1426.	3.2	10
16	Characterisation and Tribological Investigation on Thermally Processed Nanostructured Fe-Based and Cu-Based Cermet Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1179-1184.	0.9	9
17	Microstructural responses of Zirconia materials to in-situ SEM nanoindentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104450.	3.1	9
18	Understanding the Micro-Mechanical Behaviour of Recast Layer Formed during WEDM of Titanium Alloy. <i>Metals</i> , 2022, 12, 188.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Tribological Properties of Chromium Nitride on the Cylinder Liner under the Influence of High Temperature. <i>Materials</i> , 2020, 13, 4497.	2.9	6
20	Investigating the Efficacy of Adhesive Tape for Drilling Carbon Fibre Reinforced Polymers. <i>Materials</i> , 2021, 14, 1699.	2.9	6
21	Development of Pb-Free Nanocomposite Solder Alloys. <i>Journal of Composites Science</i> , 2018, 2, 28.	3.0	5
22	Strain Rate Sensitivity of Epoxy Composites Reinforced with Varied Sizes of Bagasse Particles. <i>Journal of Composites Science</i> , 2020, 4, 110.	3.0	4
23	In-situ SEM cyclic nanoindentation of pre-sintered and sintered zirconia materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 105068.	3.1	4
24	Vacancy-Induced Temperature-Dependent Thermal and Magnetic Properties of Holmium-Substituted Bismuth Ferrite Nanoparticle Compacts. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 25886-25897.	8.0	4
25	Effect of Strain Rate and Extrinsic SIZE Effect on Micro-Mechanical Properties of Zr-Based Bulk Metallic Glass. <i>Metals</i> , 2021, 11, 1611.	2.3	3
26	Tribo-mechanical behaviour of aluminium alloy (AlSi10Mg) reinforced with palmyra shell ash and silicon carbide particles. <i>Metallurgical Research and Technology</i> , 2022, 119, 315.	0.7	3
27	In-situ SEM micropillar compression of porous and dense zirconia materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 132, 105268.	3.1	2
28	Single-Walled Carbon Nanotube-Enhanced Bagasse-Epoxy Hybrid Composites under Varied Low Tensile Strain Rates. <i>Applied Mechanics</i> , 2021, 2, 863-877.	1.5	1