

# Animesh K Basak

## List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	In-situ SEM cyclic nanoindentation of pre-sintered and sintered zirconia materials. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 105068.	3.1	4
2	Understanding the Micro-Mechanical Behaviour of Recast Layer Formed during WEDM of Titanium Alloy. Metals, 2022, 12, 188.	2.3	9
3	In-situ SEM micropillar compression of porous and dense zirconia materials. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 132, 105268.	3.1	2
4	Vacancy-Induced Temperature-Dependent Thermal and Magnetic Properties of Holmium-Substituted Bismuth Ferrite Nanoparticle Compacts. ACS Applied Materials & Interfaces, 2022, 14, 25886-25897.	8.0	4
5	Tribo-mechanical behaviour of aluminium alloy (AlSi10Mg) reinforced with palmyra shell ash and silicon carbide particles. Metallurgical Research and Technology, 2022, 119, 315.	0.7	3
6	Investigating the Efficacy of Adhesive Tape for Drilling Carbon Fibre Reinforced Polymers. Materials, 2021, 14, 1699.	2.9	6
7	A Review on Mechanical Properties of Natural Fibre Reinforced Polymer Composites under Various Strain Rates. Journal of Composites Science, 2021, 5, 130.	3.0	24
8	Microstructural responses of Zirconia materials to in-situ SEM nanoindentation. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104450.	3.1	9
9	Recast Layer Formation during Wire Electrical Discharge Machining of Titanium (Ti-Al6-V4) Alloy. Journal of Materials Engineering and Performance, 2021, 30, 8926-8935.	2.5	21
10	Micro-mechanical characterization of superficial layer synthesized by electric discharge machining process. Materials Letters, 2021, 305, 130769.	2.6	11
11	Effect of Strain Rate and Extrinsic SIZE Effect on Micro-Mechanical Properties of Zr-Based Bulk Metallic Glass. Metals, 2021, 11, 1611.	2.3	3
12	Single-Walled Carbon Nanotube-Enhanced Bagasse-Epoxy Hybrid Composites under Varied Low Tensile Strain Rates. Applied Mechanics, 2021, 2, 863-877.	1.5	1
13	Tribological Properties of Chromium Nitride on the Cylinder Liner under the Influence of High Temperature. Materials, 2020, 13, 4497.	2.9	6
14	Magneto-Rheological Fluid Assisted Abrasive Nanofinishing of $\beta$ -Phase Ti-Nb-Ta-Zr Alloy: Parametric Appraisal and Corrosion Analysis. Materials, 2020, 13, 5156.	2.9	18
15	Strain Rate Sensitivity of Epoxy Composites Reinforced with Varied Sizes of Bagasse Particles. Journal of Composites Science, 2020, 4, 110.	3.0	4
16	Methods and variables in Electrical discharge machining of titanium alloy – A review. Heliyon, 2020, 6, e05554.	3.2	43
17	Burr formation during drilling of mild steel at different machining conditions. Materials and Manufacturing Processes, 2019, 34, 726-735.	4.7	20
18	Study of effective parameters on wear behavior of rubbers based on statistical methods. Polymers for Advanced Technologies, 2019, 30, 1415-1426.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Deformation of Ti-Based Bulk Metallic Glass Under a Cutting Tip. Tribology Letters, 2018, 66, 1.	2.6	11
20	Processing of duplex stainless steel by WEDM. Materials and Manufacturing Processes, 2018, 33, 1559-1567.	4.7	25
21	Effect of machining parameters on deformation behaviour of Al-based metal matrix composites under tension. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 217-225.	2.4	12
22	Nanoscale Study of Clausthalite-Bearing Symplectites in Cu-Au-(U) Ores: Implications for Ore Genesis. Minerals (Basel, Switzerland), 2018, 8, 67.	2.0	18
23	Evaluating Hole Quality in Drilling of Al 6061 Alloys. Materials, 2018, 11, 2443.	2.9	80
24	Milling of Nanoparticles Reinforced Al-Based Metal Matrix Composites. Journal of Composites Science, 2018, 2, 13.	3.0	16
25	Development of Pb-Free Nanocomposite Solder Alloys. Journal of Composites Science, 2018, 2, 28.	3.0	5
26	Quantitative prediction of phase transformations in silicon during nanoindentation. Philosophical Magazine Letters, 2013, 93, 448-456.	1.2	10
27	Characterisation and Tribological Investigation on Thermally Processed Nanostructured Fe-Based and Cu-Based Cermet Materials. Journal of Nanoscience and Nanotechnology, 2010, 10, 1179-1184.	0.9	9
28	Failure Mechanisms of Nanoparticle Reinforced Metal Matrix Composite. Advanced Materials Research, 0, 774-776, 548-551.	0.3	14