

Anshuman Das

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,160
citations

361413

20
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

1289
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative assessment between AlTiN and AlTiSiN coated carbide tools towards machinability improvement of AISI D6 steel in dry hard turning. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 3174-3197.	2.1	20
2	Experimental investigation into machinability of hardened AISI D6 steel using newly developed AlTiSiN coated carbide tools under sustainable finish dry hard turning. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 1889-1905.	2.5	10
3	MACHINABILITY INVESTIGATION OF CRYOGENICALLY TREATED HARDENED AISI 4140 ALLOY STEEL USING CBN INSERT UNDER SUSTAINABLE FINISH DRY HARD TURNING. Surface Review and Letters, 2022, 29, .	1.1	13
4	Epigenetic Silencing of Recombinant Adeno-associated Virus Genomes by NP220 and the HUSH Complex. Journal of Virology, 2022, 96, JVI0203921.	3.4	20
5	Machinability Investigation of Nitronic 60 Steel Turning Using SiAlON Ceramic Tools under Different Cooling/Lubrication Conditions. Materials, 2022, 15, 2368.	2.9	21
6	Hard turning of AISI D6 steel with recently developed HSN2-TiAlxN and conventional TiCN coated carbide tools: comparative machinability investigation and sustainability assessment. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	16
7	Sustainability Assessment and Machinability Investigation of Austenitic Stainless Steel in Finish Turning with Advanced Ultra-Hard SiAlON Ceramic Tool under Different Cutting Environments. Silicon, 2021, 13, 119-147.	3.3	33
8	APPLICATION POTENTIAL OF RESPONSE SURFACE METHOD ON ELECTRO DISCHARGE MACHINING OF AA6061â€™CENOSPHERE AMCs PREPARED BY COMPOCASTING METHOD. Surface Review and Letters, 2021, 28, 2150056.	1.1	0
9	Iminosugar Glucosidase Inhibitors Reduce Hepatic Inflammation in Hepatitis A Virus-Infected <i>Ifnar1</i> Mice. Journal of Virology, 2021, 95, .	3.4	6
10	Machinability investigation and sustainability assessment in hard turning of AISI D3 steel with coated carbide tool under nanofluid minimum quantity lubrication-cooling condition. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 6496-6528.	2.1	26
11	Receptor Switching in Newly Evolved Adeno-associated Viruses. Journal of Virology, 2021, 95, e0058721.	3.4	12
12	Performance Assessment and Chip Morphology Evaluation of Austenitic Stainless Steel under Sustainable Machining Conditions. Metals, 2021, 11, 1931.	2.3	23
13	Performance evaluation of various cutting fluids using MQL technique in hard turning of AISI 4340 alloy steel. Measurement: Journal of the International Measurement Confederation, 2020, 150, 107079.	5.0	51
14	Effect of MQL and nanofluid on the machinability aspects of hardened alloy steel. Machining Science and Technology, 2020, 24, 291-320.	2.5	28
15	Experimental investigation of various machining attributes and cost estimation during machining of hardened AISI 4340 steel with untreated and cryo treated cermet inserts. Mechanics and Industry, 2020, 21, 110.	1.3	3
16	Comparative Study of some Machining Characteristics during Hard Turning of Alloy Steel with Untreated and Cryotreated Cermet Inserts. Materials Science Forum, 2020, 978, 64-76.	0.3	0
17	Gangliosides are essential endosomal receptors for quasi-enveloped and naked hepatitis A virus. Nature Microbiology, 2020, 5, 1069-1078.	13.3	45
18	Performance comparison of vegetable oil based nanofluids towards machinability improvement in hard turning of HSLA steel using minimum quantity lubrication. Mechanics and Industry, 2019, 20, 506.	1.3	35

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19	Performance appraisal of various nanofluids during hard machining of AISI 4340 steel. Journal of Manufacturing Processes, 2019, 46, 248-270.	5.9	45
20	Machinability Investigation and Cost Estimation During Finish Dry Hard Turning of AISI 4340 Steel with Untreated and Cryo Treated Cermet Inserts. Journal of Superhard Materials, 2019, 41, 247-264.	1.2	14
21	TIM1 (HAVCR1): an Essential "Receptor" or an "Accessory Attachment Factor" for Hepatitis A Virus?. Journal of Virology, 2019, 93, .	3.4	16
22	Basal expression of interferon regulatory factor 1 drives intrinsic hepatocyte resistance to multiple RNA viruses. Nature Microbiology, 2019, 4, 1096-1104.	13.3	69
23	Statistical analysis of different machining characteristics of EN-24 alloy steel during dry hard turning with multilayer coated cermet inserts. Measurement: Journal of the International Measurement Confederation, 2019, 134, 123-141.	5.0	41
24	A Comparison of Machinability in Hard Turning of EN-24 Alloy Steel Under Mist Cooled and Dry Cutting Environments with a Coated Cermet Tool. Journal of Failure Analysis and Prevention, 2019, 19, 115-130.	0.9	27
25	Cellular entry and uncoating of naked and quasi-enveloped human hepatoviruses. ELife, 2019, 8, .	6.0	67
26	Experimental and numerical investigations on the temperature distribution in PVD AlTiN coated and uncoated Al ₂ O ₃ /TiCN mixed ceramic cutting tools in hard turning of AISI 52100 steel. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012021.	0.6	1
27	Experimental investigation of various surface integrity aspects in hard turning of AISI 4340 alloy steel with coated and uncoated cermet. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012056.	0.6	3
28	TIM1 (HAVCR1) Is Not Essential for Cellular Entry of Either Quasi-enveloped or Naked Hepatitis A Virions. MBio, 2017, 8, .	4.1	63
29	Comparative Assessment on Machinability Aspects of AISI 4340 Alloy Steel Using Uncoated Carbide and Coated Cermet Inserts During Hard Turning. Arabian Journal for Science and Engineering, 2016, 41, 4531-4552.	1.1	26
30	MAVS-dependent host species range and pathogenicity of human hepatitis A virus. Science, 2016, 353, 1541-1545.	12.6	80
31	HOST CELL FUNCTIONS IN VESICULAR STOMATITIS VIRUS REPLICATION. , 2015, , 107-139.		0
32	Trim21 regulates Nmi-IFI35 complex-mediated inhibition of innate antiviral response. Virology, 2015, 485, 383-392.	2.4	35
33	Interferon-Inducible Protein IFI35 Negatively Regulates RIG-I Antiviral Signaling and Supports Vesicular Stomatitis Virus Replication. Journal of Virology, 2014, 88, 3103-3113.	3.4	79
34	Heterogeneous Nuclear Ribonucleoprotein K Supports Vesicular Stomatitis Virus Replication by Regulating Cell Survival and Cellular Gene Expression. Journal of Virology, 2013, 87, 10059-10069.	3.4	38
35	Induction of Stress Granule-Like Structures in Vesicular Stomatitis Virus-Infected Cells. Journal of Virology, 2013, 87, 372-383.	3.4	53
36	A single amino acid change resulting in loss of fluorescence of eGFP in a viral fusion protein confers fitness and growth advantage to the recombinant vesicular stomatitis virus. Virology, 2012, 432, 460-469.	2.4	10

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37	RNAi screening reveals requirement for host cell secretory pathway in infection by diverse families of negative-strand RNA viruses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19036-19041.	7.1	83
38	Antagonistic Effects of Cellular Poly(C) Binding Proteins on Vesicular Stomatitis Virus Gene Expression. Journal of Virology, 2011, 85, 9459-9471.	3.4	34
39	Comparative performance evaluation between uncoated and TiAlN+AlCrN coated carbide tools in hard turning of AISI H11 steel. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892211104.	2.5	8
40	Comparative performance evaluation between HSN-TiAlxN and TiCN coated carbide tools in hard turning of AISI D6 steel. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , 095440542211118.	2.4	5