

FULL LIST OF COMMON PAPERS

Full number of papers – 102

Number of papers published in 2022 -2024 - 22

1. Pimenov D.Y., da Silva L.R.R., Machado A.R., França P.H.P., Pintaude G., Unune D.R., Kuntoğlu M., Krolczyk G.M.

A comprehensive review of machinability of difficult-to-machine alloys with advanced lubricating and cooling techniques

(2024) Tribology International, 196, art. no. 109677, Cited 9 times.

DOI: 10.1016/j.triboint.2024.109677

2. Pimenov D.Y., da Silva L.R.R., Ercetin A., Der O., Mikolajczyk T., Giasin K.

State-of-the-art review of applications of image processing techniques for tool condition monitoring on conventional machining processes

(2024) International Journal of Advanced Manufacturing Technology, 130 (1-2), pp. 57 - 85, Cited 4 times.

DOI: 10.1007/s00170-023-12679-1

3. Pimenov D.Y., Bustillo A., Wojciechowski S., Sharma V.S., Gupta M.K., Kuntoğlu M.

Artificial intelligence systems for tool condition monitoring in machining: analysis and critical review

(2023) Journal of Intelligent Manufacturing, 34 (5), pp. 2079 - 2121, Cited 119 times.

DOI: 10.1007/s10845-022-01923-2

4. Mikołajczyk T., Latos H., Szczepaniak Z., Paczkowski T., Pimenov D.Y., Giasin K., Kuntoğlu M.

Theoretical and experimental research of edge inclination angle effect on minimum uncut chip thickness in oblique cutting of C45 steel

(2023) International Journal of Advanced Manufacturing Technology, 124 (7-8), pp. 2299 - 2312, Cited 8 times.

DOI: 10.1007/s00170-022-10605-5

5. Gupta M.K., Mia M., Pruncu C.I., Kapłonek W., Nadolny K., Patra K., Mikolajczyk T., Pimenov D.Y., Sarikaya M., Sharma V.S.

Correction to: Parametric optimization and process capability analysis for machining of nickel-based superalloy (The International Journal of Advanced Manufacturing Technology, (2019), 102, 9-12, (3995-4009), 10.1007/s00170-019-03453-3)

(2023) International Journal of Advanced Manufacturing Technology, 124 (3-4), pp. 1337 - 1338, Cited 1 times.

DOI: 10.1007/s00170-022-10571-y

6. Sidhu R.S., Kumar R., Kumar R., Goel P., Singh S., Pimenov D.Y., Giasin K., Adamczuk K.

Joining of Dissimilar Al and Mg Metal Alloys by Friction Stir Welding

(2022) Materials, 15 (17), art. no. 5901, Cited 17 times.

DOI: 10.3390/ma15175901

7. Mikołajczyk T., Mikołajewska E., Al-Shuka H.F.N., Malinowski T., Kłodowski A., Pimenov D.Y., Paczkowski T., Hu F., Giasin K., Mikołajewski D., Macko M.

Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems

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8. Sidhu R.S., Kumar R., Kumar R., Goel P., Singh S., Pimenov D.Y., Giasin K., Adamczuk K.

Joining of Dissimilar Al and Mg Metal Alloys by Friction Stir Welding

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9. Agrawal C., Khanna N., Pimenov D.Y., Wojciechowski S., Giasin K., Sarıkaya M., Yıldırım Ç.V., Jamil M.

Experimental investigation on the effect of dry and multi-jet cryogenic cooling on the machinability and hole accuracy of CFRP composites

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10. Şap S., Uzun M., Usca Ü.A., Pimenov D.Y., Giasin K., Wojciechowski S.

Investigation of machinability of Ti–B–SiCp reinforced Cu hybrid composites in dry turning

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11. Pimenov D.Y., Mia M., Gupta M.K., Machado Á.R., Pintaude G., Unune D.R., Khanna N., Khan A.M., Tomaz Í., Wojciechowski S., Kuntoğlu M.

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12. Vakharia V., Vora J., Khanna S., Chaudhari R., Shah M., Pimenov D.Y., Giasin K., Prajapati P., Wojciechowski S.

Experimental investigations and prediction of WEDMed surface of nitinol SMA using SinGAN and DenseNet deep learning model

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13. Gupta M.K., Etri H.E., Korkmaz M.E., Ross N.S., Krolczyk G.M., Gawlik J., Yaşar N., Pimenov D.Y.

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14. Pimenov D.Y., Kumar Gupta M., da Silva L.R.R., Kiran M., Khanna N., Krolczyk G.M.

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16. Sankhla A.M., Patel K.M., Makhesana M.A., Giasin K., Pimenov D.Y., Wojciechowski S., Khanna N.

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17. Singh M., Sharma S., Muniappan A., Pimenov D.Y., Wojciechowski S., Jha K., Dwivedi S.P., Li C., Królczyk J.B., Walczak D., Nguyen T.V.T.

In Situ Micro-Observation of Surface Roughness and Fracture Mechanism in Metal Microforming of Thin Copper Sheets with Newly Developed Compact Testing Apparatus

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18. Jadhav P., Bongale A., Kumar S., Pimenov D.Y., Giasin K., Wojciechowski S.

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19. Usca Ü.A., Uzun M., Şap S., Kuntoğlu M., Giasin K., Pimenov D.Y., Wojciechowski S.

Tool wear, surface roughness, cutting temperature and chips morphology evaluation of Al/TiN coated carbide cutting tools in milling of Cu–B–CrC based ceramic matrix composites

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21. Kumar R., Singh S., Aggarwal V., Singh S., Pimenov D.Y., Giasin K., Nadolny K.

Hand and Abrasive Flow Polished Tungsten Carbide Die: Optimization of Surface Roughness, Polishing Time and Comparative Analysis in Wire Drawing

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22. Pradeep N.B., Hegde M.M.R., Manjunath Patel G.C., Giasin K., Pimenov D.Y., Wojciechowski S.

Synthesis and characterization of mechanically alloyed nanostructured ternary titanium based alloy for bio-medical applications

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23. Dubey V., Sharma A.K., Vats P., Pimenov D.Y., Giasin K., Chuchala D.

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24. Leksycki K., Kaczmarek-Pawelska A., Ochał K., Gradzik A., Pimenov D.Y., Giasin K., Chuchala D., Wojciechowski S.

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27. Syreyshchikova N.V., Pimenov D.Y., Yaroslavova E.N., Gupta M.K., Sharma S., Giasin K.

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