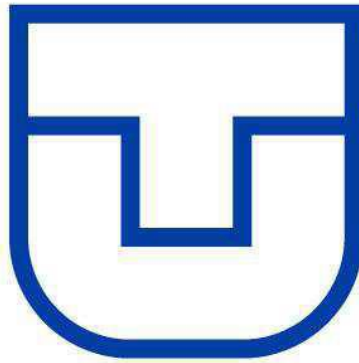


TECHNICKÁ UNIVERZITA V KOŠICIACH

STROJNÍCKA FAKULTA

Katedra technológií, materiálov a počítačovej podpory výroby



**PREHĽAD VÝSLEDKOV VEDECKEJ ŠKOLIACEJ ČINNOSTI
DOKTORANDOV**

doc. Ing. Ľuboš Kaščák, PhD.

Košice 2023

Výchova doktorandov

Meno a priezvisko: Ing. René Kubík, PhD. – absolvent, denná forma
Téma dizertačnej práce: Zvyšovanie životnosti nástrojov pre mechanické
spájanie materiálov metódou clinching
Školiace pracovisko: Katedra počítačovej podpory technológií, SjF TU v
Košiciach
Študijný odbor: 5.2.7 Strojárske technológie a materiály
Študijný program: Strojárske technológie a materiály
Doba štúdia: 2014 – 2018

Meno a priezvisko: Ing. Denis Cmorej, PhD. – absolvent, denná forma
Téma dizertačnej práce: Výskum spájateľnosti vysokopevných materiálov pre
automobilový priemysel
Školiace pracovisko: Katedra technológií, materiálov a počítačovej podpory
výroby, SjF TU v Košiciach
Študijný odbor: strojárstvo
Študijný program: strojárské technológie a materiály
Doba štúdia: 2019 – 2023

Prehľad publikačnej činnosti vrátane ohlasov

Autor: Ing. René KUBÍK, PhD.

Záznamy v kategóriách do 31.1.2022

Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)

Počet záznamov: 9

ADC - Vedecké práce v zahraničných karentovaných časopisoch (1)

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (7)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)

Počet záznamov: 17

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (2)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (4)

AEC - Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)

AFD - Publikované príspevky na domácich vedeckých konferenciách (9)

AFH - Abstrakty príspevkov z domácich konferencií (1)

Záznamy v kategóriách od 1.2.2022

Počet záznamov spolu: 26

Menný zoznam publikácií:

ADC - Vedecké práce v zahraničných karentovaných časopisoch(1)

ADC001 [186908] **Wear of Shaped Surfaces of PVD Coated Dies for Clinching** / Miroslav Džupon ... [et al.] - 2017.In: Metals, Vol. 7, no. 11 (2017), p. 1-21. - ISSN 2075-4701 .
[DŽUPON, Miroslav (20%) - KAŠČÁK, Ľuboš (20%) - SPIŠÁK, Emil (20%) - KUBÍK, René (20%) - MAJERNÍKOVÁ, Janka (20%)]

Kvartil: neuvedené | Impakt faktor: 1.984

Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2019 [1] SHIN, Seungmin et al. Resistance Spot Welding of Aluminum Alloy and Carbon Steel with Spooling Process Tapes In: Metals Vol. 9, no. 4 (2019) ISSN: 2075-4701 DB: WOS
[WOS:000467637000027]

2. 2019 [2] KALININ, Y. et al. Structure of high-carbon steel after welding with rapid cooling In: Acta Metallurgica Slovaca Roč. 25, č. 2 (2019), s. 114-122 ISSN: 1335-1532 DB: WOS [WOS:000473306000005]
3. 2021 [01] QIN, Denglin, CHEN, Chao, OUYANG, Yawen et al.: Finite element methods used in clinching process In: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY vol.116, no.9-10 (2021) p.2737-2776 ISSN:0268-3768 eISSN:1433-3015 Doi:10.1007/s00170-021-07602-5 [WOS:000673827900008] [NEIMPORTOVANÉ V CREPČ]
4. 2021 [01] MITAL, Gerhard, SPISAK, Emil, MULIDRAN, Peter et al.: 3D EVALUATION OF THE TOPOGRAPHY OF THE SURFACE BY ABRASIVE WATER JET MACHINING TECHNOLOGY In: MM SCIENCE JOURNAL vol.2021, (2021) p.4847-4852 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2021_10_2021097 [WOS:000708285400021] [NEIMPORTOVANÉ V CREPČ]
5. 2022 [01] SPISAK, Emil, MAJERNIKOVA, Janka, KASCAK, L'ubos et al.: Experimental and Numerical Thickness Analysis of TRIP Steel under Various Degrees of Deformation in Bulge Test In: MATERIALS vol.15, no.6 (2022) eISSN:1996-1944 Doi:10.3390/ma15062299 [WOS:000774930500001] [NEIMPORTOVANÉ V CREPČ]

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(2)

ADE001 [201386] **FEM simulation of clinching of three steel sheets** / Ľuboš Kaščák, René Kubík - 2018.In: International Journal of Trend in Scientific Research and Development. - Amreli (India) : Rekha Patel Roč. 3, č. 1 (2018), s. 1290-1293 [online]. - ISSN 2456-6470. [KAŠČÁK, Ľuboš (90%) - KUBÍK, René (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADE002 [211993] **Influence of Elastic Deformations on the Adhesion of the ZrN Coating on the Clinching Tool** / Ľuboš Kaščák, René Kubík - 2019.In: International Journal of Trend in Scientific Research and Development. - Amreli (India) : Rekha Patel Roč. 4, č. 1 (2019), s. 1210-1213 [online]. - ISSN 2456-6470 [KAŠČÁK, Ľuboš (95%) - KUBÍK, René (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF - Vedecké práce v domácich nekarentovaných časopisoch(4)

ADF001 [149822] **Influence of welding parameters on the properties of spot welded joints of dual-phase steels** / Ľuboš Kaščák, René Kubík - 2014.In: Transfer inovácií. Č. 29 (2014), s. 286-289. - ISSN 1337-7094. [KAŠČÁK, Ľuboš (50%) - KUBÍK, René (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2019 [1] ZHAO, D. et al. Modeling and Experimental Research on Resistance Spot

Welded Joints for Dual-Phase Steel In: Materials Vol. 12, no. 7 (2019), article no. 1108
ISSN: 1996-1944 DB: Scopus

ADF002 [166825] **FEM simulation of tool loading during mechanical joining by clinching** / René Kubík, Ľuboš Kaščák - 2015.In: Transfer inovácií. Č. 32 (2015), s. 219-221. - ISSN 1337-7094.

[KUBÍK, René (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2017 [3] HILLER, Maria et al. Influence of tool elasticity on process forces and joint properties during clinching with rotational tool movement In: Journal of Physics : 36th IDDRG Conference – Materials Modelling and Testing for Sheet Metal Forming : Conference Series Vol. 896 (2017), p. 1-8 ISSN: 1742-6588

ADF003 [198139] **FEM simulation of the tensile test of the clinched joints** / Ľuboš Kaščák ... [et al.] - 2018.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 37 (2018), s. 49-51 [online]. - ISSN 1337-7094.

[KAŠČÁK, Ľuboš (25%) - KUBÍK, René (25%) - SLOTA, Ján (25%) - SPIŠÁK, Emil (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF004 [212424] **Elastické deformácie a ich vplyv na adhéziu ZrN povlaku na nástroji pre mechanické spájanie** / Ľuboš Kaščák, René Kubík - 2019.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 40 (2019), s. 23-26 [online]. - ISSN 1337-7094.

[KAŠČÁK, Ľuboš (90%) - KUBÍK, René (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(7)

ADM001 [175957] **Analysis of weldability of dual-phase steel sheets used in car body production** / Ľuboš Kaščák, Emil Spišák, René Kubík - 2016.In: MM Science Journal. DOI: 10.17973/MMSJ.2016_11_2016132 (2016), p. 1402-1406. - ISSN 1803-1269

[KAŠČÁK, Ľuboš (34%) - SPIŠÁK, Emil (33%) - KUBÍK, René (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

ADM002 [177019] **FEM Analysis of Clinching Tool Load in a Joint of Dual-Phase Steels** / L. Kaščák ... [et al.] - 2016.In: Strength of Materials. Vol. 48, no. 4 (2016), p. 533-539. - ISSN 0039-2316

[KAŠČÁK, Ľuboš (40%) - SPIŠÁK, Emil (40%) - KUBÍK, René (15%) - MUCHA, Jacek (5%)]

Kvartil: neuvedené | Impakt faktor: 0.462
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2017 [1] ZHANG, Y. et al. Influence of heat treatment on mechanical properties of clinched joints in titanium alloy sheets In: International Journal of Advanced Manufacturing Technology Vol. 91, no. 9-12 (2017), p. 3349-3361 ISSN: 0268-3768 DB: Scopus
2. 2017 [1] BRUSILOVA, A. et al. Deep-drawing process simulation for tailor-welded blanks with an elastic blankholder In: Strength of Materials Vol. 49, no. 4 (2017), p. 586-593 ISSN: 0039-2316 DB: WOS [WOS:000415886200012]
3. 2017 [3] HILLER, Maria et al. Influence of tool elasticity on process forces and joint properties during clinching with rotational tool movement In: Journal of Physics : 36th IDDRG Conference – Materials Modelling and Testing for Sheet Metal Forming : Conference Series Vol. 896 (2017), p. 1-8 ISSN: 1742-6588 [WOS:000424196000116]
4. 2018 [1] LEI, Lei et al. Clinch-bonded hybrid joining for similar and dissimilar copper alloy, aluminium alloy and galvanised steel sheets In: Thin-Walled Structures Vol. 131 (2018), p. 393-403 ISSN: 0263-8231 DB: WOS [WOS:000445311400031]
5. 2018 [1] ZHANG, Y. et al. Study on failure mechanism of mechanical clinching in aluminium sheet materials In: The International Journal of Advanced Manufacturing Technology Vol. 96, no. 9-12 (2018), p. 3057–3068 ISSN: 0268-3768 DB: Scopus
6. 2018 [01] KASCAK, Lubos, MUCHA, Jacek, WITKOWSKI, Waldemar: Plastic Formed and Spot Welded Joints Strength of S350GD+Z Steel In: TEHNICKI VJESNIK-TECHNICAL GAZETTE vol.25, no.6 (2018) p.1623-1630 ISSN:1330-3651 eISSN:1848-6339 Doi:10.17559/TV-20170321223648 [WOS:000453261600008] [NEIMPORTOVANÉ V CREPČ]
7. 2019 [1] CUMIN, Josip et al. FEM Numerical Simulations of the Mechanical Clinching Process of HC260Y Steel In: Tehnički vjesnik: Technical gazette Vol. 26, no. 1 (2019), p. 49-55 ISSN: 1848-6339 DB: WOS [WOS:000458827900008]
8. 2019 [1] LI, Xinding et al. An Experimental Study on Micro-Shear Clinching of Metal Foils by Laser Shock In: Materials Vol. 12, no. 9 (2019), article no. 1422 ISSN: 1996-1944 DB: WOS [WOS:000469757500063]
9. 2019 [1] SALAMATI, Masoud et al. Processing and tooling considerations in joining by forming technologies; part A-mechanical joining In: International Journal of Advanced Manufacturing Technology Vol. 101, no. 1-4 (2019), p. 261-315 ISSN: 0268-3768 DB: WOS
10. 2019 [01] SALAMATI, Masoud, SOLTANPOUR, Mahdi, FAZLI, Ali et al.: Processing and tooling considerations in joining by forming technologies; part A-mechanical joining In: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY vol.101, no.1-4 (2019) p.261-315 ISSN:0268-3768 eISSN:1433-3015 Doi:10.1007/s00170-018-2823-y [WOS:000461051300022] [NEIMPORTOVANÉ V CREPČ]

11. 2019 [01] SPISAK, E., MAJERNIKOVA, J., SLOTA, J. et al.: Numerical and experimental study of strain distribution of trip steel sheet using hydraulic bulge test In: 38TH INTERNATIONAL DEEP DRAWING RESEARCH GROUP ANNUAL CONFERENCE (IDDRG 2019) : Enschede vol.651, (2019) ISBN:***** ISSN:1757-8981 Doi:10.1088/1757-899X/651/1/012090 [WOS:000562096600089] [NEIMPORTOVANÉ V CREPČ]
12. 2021 [01] QIN, Denglin, CHEN, Chao, OUYANG, Yawen et al.: Finite element methods used in clinching process In: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY vol.116, no.9-10 (2021) p.2737-2776 ISSN:0268-3768 eISSN:1433-3015 Doi:10.1007/s00170-021-07602-5 [WOS:000673827900008] [NEIMPORTOVANÉ V CREPČ]
13. 2021 [01] CHEN, Chao, ZHANG, Huiyang, PENG, Hao et al.: Influence of clinching steps and sheet thickness on the mechanical properties of the clinching joint In: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B- JOURNAL OF ENGINEERING MANUFACTURE vol.235, no.12 (2021) p.2015-2024 ISSN:0954-4054 eISSN:2041-1975 Doi:10.1177/09544054211001008 [WOS:000681157500001] [NEIMPORTOVANÉ V CREPČ]
14. 2021 [01] REN, Xiao-qiang, CHEN, Chao, RAN, Xiang-kun et al.: Microstructure evolution of AA5052 joint failure process and mechanical performance after reconditioning with tubular rivet In: TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA vol.31, no.11 (2021) p.3380-3393 ISSN:1003-6326 eISSN:2210-3384 Doi:10.1016/S1003-6326(21)65736 [WOS:000736962600010] [NEIMPORTOVANÉ V CREPČ]
15. 2021 [01] PENG, Hao, CHEN, Chao, REN, Xiaoqiang et al.: Research on the material flow and joining performance of two-strokes flattening clinched joint In: THIN-WALLED STRUCTURES vol.169, (2021) ISSN:0263-8231 eISSN:1879-3223 Doi:10.1016/j.tws.2021.108289 [WOS:000703912600001] [NEIMPORTOVANÉ V CREPČ]
16. 2022 [01] BOEHNKE, Max, ROSSEL, Moritz, BIELAK, Christian R. et al.: Concept development of a method for identifying friction coefficients for the numerical simulation of clinching processes In: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY vol.118, no.5-6 (2022) p.1627-1639 ISSN:0268-3768 eISSN:1433-3015 Doi:10.1007/s00170-021-07986-4 [WOS:000772377500003] [NEIMPORTOVANÉ V CREPČ]
17. 2022 [01] LI, Qihan, XU, Chuanwei, GAO, Song et al.: Numerical investigations of the clinching process and the failure prediction of clinched joints for dissimilar sheets In: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C- JOURNAL OF MECHANICAL ENGINEERING SCIENCE vol.236, no.5 (2022) p.2327-2339 ISSN:0954-4062 eISSN:2041-2983 Doi:10.1177/09544062211025073 [WOS:000705142100001] [NEIMPORTOVANÉ V CREPČ]
18. 2022 [01] KUMAR, Santosh, LAKSHMIKANTHAN, Avinash, SELVAN, Chithirai Pon et al.: Effect of interlock angle and bottom die flange diameter on clinching joint load bearing capacity in cross-tensile loading In: INTERNATIONAL JOURNAL OF INTERACTIVE DESIGN AND MANUFACTURING - IJIDEM (2022) ISSN:1955-2513 eISSN:1955-2505 Doi:10.1007/s12008-022-00955-5 [WOS:000821979900001] [NEIMPORTOVANÉ V CREPČ]
19. 2022 [01] XU, Fan, WANG, Huixiong, GAO, Ming et al.: Connection of difficult-to-form

sheets by clinching process: a review In: MATERIALS SCIENCE AND TECHNOLOGY vol.38, no.10 (2022) p.622-644 ISSN:0267-0836 eISSN:1743-2847
Doi:10.1080/02670836.2022.2062813
[WOS:000787197300001] [NEIMPORTOVANÉ V CREPČ]

20. 2023 [01] HUANG, Changqing, JI, Yanan, CUI, Xiaohui et al.: Deformation behavior and mechanical properties of 5052-O aluminum alloy joints formed by high-speed clinching In: ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING vol.23, no.3 (2023) ISSN:1644-9665 eISSN:2083-3318 Doi:10.1007/s43452-023-00691-x
[WOS:000994896100001] [NEIMPORTOVANÉ V CREPČ]

ADM003 [177113] **Wear of PVD Coated Tools for Joining by Clinching Method** / R. Kubík, Ľ. Kaščák, E. Spišák - 2016.In: Koroze a ochrana materiálu. Vol. 60, no. 5 (2016), p. 154-161. - ISSN 1804-1213.
[KUBÍK, René (34%) - KAŠČÁK, Ľuboš (33%) - SPIŠÁK, Emil (33%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2019 [2] KALININ, Yurii et al. Structure of high-carbon steel after welding with rapid cooling In: Acta Metallurgica Slovaca Roč. 25, č. 2 (2019), s. 114-122 ISSN: 1335-1532 DB: WOS

ADM004 [181791] **Failure of physical vapour deposition coating zirconium nitride on the punch of clinching tool** / Miroslav Džupon ... [et al.] - 2017.In: Acta Mechanica et Automatica. Vol. 11, no. 2 (2017), p. 143-149. - ISSN 1898-4088
[DŽUPON, Miroslav (40%) - KAŠČÁK, Ľuboš (40%) - NÉMETH, Dušan (10%) - KUBÍK, René (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2017 [01] DZUPON, Miroslav, KASCAK, Lubos, SPISAK, Emil et al.: Wear of Shaped Surfaces of PVD Coated Dies for Clinching In: METALS vol.7, no.11 (2017) ISSN:2075-4701 Doi:10.3390/met7110515
[WOS:000416803200065] [NEIMPORTOVANÉ V CREPČ]

ADM005 [186416] **Finite element calculation of clinching with rigid die of three steel sheets** / Ľuboš Kaščák ... [et al.] - 2017.In: Strength of Materials. Vol. 49, no. 4 (2017), p. 488-499. - ISSN 0039-2316
[KAŠČÁK, Ľuboš (30%) - SPIŠÁK, Emil (30%) - KUBÍK, René (30%) - MUCHA, Jacek (10%)]

Kvartil: neuvedené | Impakt faktor: 0.443
Databázy: WOS: nie CCC: nie SCOPUS: nie

Ohlasy:

1. 2018 [1] BABALO, Vahid, FAZLI, Ali, SOLTANPOUR, Mahdi Electro-Hydraulic Clinching: A novel high speed joining process In: Journal of Manufacturing Processes Vol. 35 (2018), p. 559-569 ISSN: 1526-6125 DB: WOS
[WOS:000448225000057]

2. 2019 [1] CUMIN, Josip et al. FEM Numerical Simulations of the Mechanical Clinching Process of HC260Y Steel In: Tehnički vjesnik - Technical gazette Vol. 26, no. 1 (2019), p. 49-55 ISSN: 1848-6339 DB: WOS
[WOS:000458827900008]
3. 2019 [1] GE, Yulong, XIA, Yong Dynamic Behavior of Self-Piercing Riveted and Mechanical Clinched Joints of Dissimilar Materials: An Experimental Comparative Investigation In: Advances in Materials Science and Engineering Vol. 2019 (2019) ISSN: 1687-8434 DB: WOS
[WOS:000487590100001]
4. 2019 [1] BABALO, Vahid - SOLTANPOUR, Mahdi - FAZLI, Ali High speed circular hemming; a novel joining process for thin and lowductile sheets In: Thin-Walled Structures Vol. 142 (2019), p. 98-115 ISSN: 0263-8231 DB: WOS
5. 2019 [1] SALAMATI, Masoud et al. Processing and tooling considerations in joining by forming technologies; part A-mechanical joining In: International Journal of Advanced Manufacturing Technology Vol. 101, no. 1-4 (2019), p. 261-315 ISSN: 0268-3768 DB: WOS
6. 2019 [01] SALAMATI, Masoud, SOLTANPOUR, Mahdi, FAZLI, Ali et al.: Processing and tooling considerations in joining by forming technologies; part A-mechanical joining In: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY vol.101, no.1-4 (2019) p.261-315 ISSN:0268-3768 eISSN:1433-3015 Doi:10.1007/s00170-018-2823-y
[WOS:000461051300022] [NEIMPORTOVANÉ V CREPČ]
7. 2019 [01] BABALO, Vahid, SOLTANPOUR, Mahdi, FAZLI, Ali: High speed circular hemming; a novel joining process for thin and low-ductile sheets In: THIN-WALLED STRUCTURES vol.142, (2019) p.98-115 ISSN:0263-8231 eISSN:1879-3223 Doi:10.1016/j.tws.2019.04.059
[WOS:000479020800007] [NEIMPORTOVANÉ V CREPČ]
8. 2020 [1] CHEN, Chao et al. Investigation of the flat-clinching process for joining three-layer sheets on thin-walled structures In: Thin-Walled Structures Vol. 157 (2020), art. no. 107034 ISSN: 0263-8231 DB: WOS
[WOS:000599349600004]
9. 2020 [1] ABE, Yohei et al. Mechanical Clinching and Self-Pierce Riveting of Thin Three Sheets of 5000 Series Aluminium Alloy and 980 MPa Grade Cold Rolled Ultra-High Strength Steel In: Materials Vol. 13, no. 21 (2020), art. no. 4741 ISSN: 1996-1944 DB: WOS
[WOS:000589396500001]
10. 2020 [01] KASCAK, Lubos, SPISAK, Emil, SLOTA, Jan et al.: MECHANICAL JOINING OF ALUMINIUM ALLOY SHEETS In: MM SCIENCE JOURNAL vol.2020, (2020) p.4179-4182 ISSN:1803-1269 eISSN:1805-0476 Doi:10.17973/MMSJ.2020_12_2020036
[WOS:000600414800001] [NEIMPORTOVANÉ V CREPČ]
11. 2021 [01] CHEN, Chao, ZHANG, Huiyang, ZHAO, Shengdun et al.: Effects of sheet thickness and material on the mechanical properties of flat clinched joint In: FRONTIERS OF MECHANICAL ENGINEERING vol.16, no.2 (2021) p.410-419 ISSN:2095-0233 eISSN:2095-0241 Doi:10.1007/s11465-020-0618-y

[WOS:000625603400003] [NEIMPORTOVANÉ V CREPČ]

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Databázy: WOS: nie CCC: nie SCOPUS: nie

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Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD009 [209588] **FEM analysis of mechanical joining of three steel sheets** / Ľuboš Kaščák ... [et al.] - 2019.In: PRO-TECH-MA 2019 : International Scientific Conference. - Košice (Slovensko) : Technical University of Košice s. 66-67 [CD-ROM]. - ISBN 978-80-553-3357-1

[KAŠČÁK, Ľuboš (40%) - SPIŠÁK, Emil (40%) - MUCHA, Jacek (10%) - KUBÍK, René (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

AFH - Abstrakty príspevkov z domácich konferencií(1)

AFH001 [181878] **Finite element calculation of three steel sheets joining by clinching method with rigid die** / Emil Spišák ... [et al.] - 2017.In: PRO-TECH-MA 2017 : SURFACE ENGINEERING 2017. - Košice : TU, 2017 S. 94-95. - ISBN 978-80-553-3181-2

[SPIŠÁK, Emil (25%) - KAŠČÁK, Ľuboš (25%) - KUBÍK, René (25%) - JACEK, Mucha (25%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

Autor: Ing. Denis CMOREJ, PhD.

Záznamy v kategóriách do 31.1.2022

Skupina B (do 31.1.2022) - Publikácie v karentovaných časopisoch alebo registrované vo WoS a Scopus (ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN)

Počet záznamov: 2

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

Skupina D (do 31.1.2022) - Ostatné publikácie (ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEE, BEF, BFA, BFB, CBA, CBB, CDE, CDF)

Počet záznamov: 8

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch (2)

ADF - Vedecké práce v domácich nekarentovaných časopisoch (3)

AFD - Publikované príspevky na domácich vedeckých konferenciách (3)

Záznamy v kategóriách od 1.2.2022

Skupina V - Vedecký výstup publikačnej činnosti (V1, V2, V3)

Počet záznamov: 9

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký (2)

V3 - Výstup publikačnej činnosti z časopisu - Vedecký (7)

Počet záznamov spolu: 19

Menný zoznam publikácií:

ADE - Vedecké práce v zahraničných nekarentovaných časopisoch(2)

ADE001 [211991] **Research into Properties of Spot Welded Steel Sheets** / Ľuboš Kaščák, Denis Cmorej - 2019.In: International Journal of Trend in Scientific Research and Development. - Amreli (India) : Rekha Patel Roč. 4, č. 1 (2019), s. 1013-1015 [online]. - ISSN 2456-6470

[KAŠČÁK, Ľuboš (90%) - CMOREJ, Denis (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADE002 [300053] **Joining of Dual-Phase Coated Steel Sheets DP600** / Denis Cmorej, Ľuboš Kaščák - 2021.In: International Journal of Trend in Scientific Research and Development. - Amreli (India) : Rekha Patel Roč. 5, č. 6 (2021), s. 1102-1106 [online]. - ISSN 2456-6470.

[CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF - Vedecké práce v domácich nekarentovaných časopisoch(3)

ADF001 [212422] **Spájanie dvojfázových povlakovaných ocelových plechov** / Ľuboš Kaščák, Denis Cmorej - 2019.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 40 (2019), s. 4-10 [online]. - ISSN 1337-7094.

[KAŠČÁK, Ľuboš (80%) - CMOREJ, Denis (20%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF002 [220133] **Analýza spájania mikrolegovanej ocele HX420LAD** / Denis Cmorej, Ľuboš Kaščák, Jacek Mucha - 2020.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 41 (2020), s. 33-38 [online]. - ISSN 1337-7094.

[CMOREJ, Denis (45%) - KAŠČÁK, Ľuboš (45%) - MUCHA, Jacek (10%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADF003 [225468] **Hodnotenie vlastností bodových zvarových spojov na trip oceliach** / Denis Cmorej, Ľuboš Kaščák - 2020.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 42 (2020), s. 23-27 [online]. - ISSN 1337-7094.

[CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS(1)

ADM001 [229927] **Joining the High-Strength Steel Sheets Used in Car Body Production** / Ľuboš Kaščák ... [et al.] - 2021.In: Advances in Science and Technology Research Journal. - Lublin (Poľsko) : Society of Polish Mechanical Engineers and Technicians Roč. 15, č. 1 (2021), s. 184-196 [print]. - ISSN 2080-4075.

[KAŠČÁK, Ľuboš (25%) - CMOREJ, Denis (25%) - SPIŠÁK, Emil (25%) - SLOTA, Ján (25%)]

Kvartil: WOS:Q0 | Impakt faktor: neuvedené

Databázy: WOS: áno CCC: nie SCOPUS: áno

Ohlasy:

1. 2021 [01] TOMKOW, Jacek, SWIERCZYNSKA, Aleksandra, LANDOWSKI, Michal et al.: Bead-on-Plate Underwater Wet Welding on S700MC Steel In: ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL vol.15, no.3 (2021) p.288-296 ISSN:2080-4075 eISSN:2299-8624 Doi:10.12913/22998624/140223 [WOS:000704135800009] [NEIMPORTOVANÉ V CREPČ]
2. 2022 [01] MORAVEC, Jaromir, MICIAN, Milos, MALEK, Miloslav et al.: Determination of CCT Diagram by Dilatometry Analysis of High-Strength Low-Alloy S960MC Steel In: MATERIALS vol.15, no.13 (2022) eISSN:1996-1944 Doi:10.3390/ma15134637 [WOS:000825620100001] [NEIMPORTOVANÉ V CREPČ]

ADN - Vedecké práce v domácich časopisoch registrovaných v databázach Web of

Science alebo SCOPUS(1)

ADN001 [217875] **The corrosion and wear resistance of laser and MAG weld deposits** / Anna Guzanová, ... [et al.] - 2020.In: Acta Metallurgica Slovaca. - Košice (Slovensko) : Fakulta materiálov, metalurgie a recyklácie Roč. 26, č. 2 (2020), s. 37-41 [print]. - ISSN 1335-1532. [GUZANOVÁ, Anna (20%) - DŽUPON, Miroslav (5%) - DRAGANOVSKÁ, Dagmar (20%) - BREZINOVÁ, Janette (20%) - VIŇÁŠ, Ján (20%) - CMOREJ, Denis (5%) - JANOŠKO, Erik (5%) - MARUSCHAK, Pavlo (5%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

Ohlasy:

1. 2021 [01] Chen, Furong, Liu, Chenghao Improving the Properties of Laser-Welded Al-Zn-Mg-Cu Alloy Joints by Aging and Double-Sided Ultrasonic Impact Compound Treatment In: Materials Roč. 14, č. 11 (2021)[online] ISSN: 1996-1944 (online) DB: WOS [WOS:000661223800001]
2. 2021 [01] THAWARI, Nikhil, GULLIPALLI, Chaitanya, KATIYAR, Jitendra Kumar, GUPTA, T. V. K.: Effect of multi-layer laser cladding of Stellite 6 and Inconel 718 materials on clad geometry, microstructure evolution and mechanical properties In: MATERIALS TODAY COMMUNICATIONS vol.28, (2021) eISSN:2352-4928 Doi:10.1016/j.mtcomm.2021.102604 [WOS:000697059100003] [NEIMPORTOVANÉ V CREPČ]
3. 2022 [01] BEMBENEK, Michal, PRYSYAZHNYUK, Pavlo, SHIHAB, Thaer et al.: Microstructure and Wear Characterization of the Fe-Mo-B-C-Based Hardfacing Alloys Deposited by Flux-Cored Arc Welding In: MATERIALS vol.15, no.14 (2022) eISSN:1996-1944 Doi:10.3390/ma15145074 [WOS:000831994300001] [NEIMPORTOVANÉ V CREPČ]

AFD - Publikované príspevky na domácich vedeckých konferenciách(3)

AFD001 [209585] **Joining the car body high-strength steel sheets** / Ľuboš Kaščák ... [et al.] - 2019.In: PRO-TECH-MA 2019 : International Scientific Conference. - Košice (Slovensko) : Technical University of Košice s. 62-63 [CD-ROM]. - ISBN 978-80-553-3357-1 [KAŠČÁK, Ľuboš (33%) - SLOTA, Ján (31%) - SPIŠÁK, Emil (31%) - CMOREJ, Denis (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD002 [214593] **Analysis of joining of high-strength car-body sheets** / Denis Cmorej, Ľuboš Kaščák - 2020.In: Novus Scientia 2020 : Zborník príspevkov z XVII. Medzinárodnej vedeckej konferencie doktorandov strojníckych fakúlt technických univerzít a vysokých škôl. - Košice (Slovensko) : Technická univerzita v Košiciach s. 29-33 [CD-ROM]. - ISBN 978-80-553-3500-1 [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

AFD003 [228609] **Optimization of TRIP steel welding processes** / Denis Cmorej, Ľuboš Kaščák - 2021.In: Novus Scientia 2021 : zborník príspevkov z 18. Medzinárodnej vedeckej

konferencie doktorandov strojníckych fakúlt technických univerzít a vysokých škôl. - Košice (Slovensko) : Technická univerzita v Košiciach s. 32-37 [online]. - ISBN 978-80-553-3798-2 [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V2 - Výstup publikačnej činnosti ako časť editovanej knihy alebo zborník - Vedecký(2)

V2001 [303274] **Numerical simulation of clinching of HCT600X+Z steel sheets** / Denis Cmorej, Ľuboš Kaščák - 2022.In: Novus Scientia 2022. - Košice (Slovensko) : Technická univerzita v Košiciach s. 194-200 [online]. - ISBN 978-80-553-4085-2. [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V2002 [306901] **Numerical simulation of clinch-riveting of HX420LAD steel sheets** / Denis Cmorej, Ľuboš Kaščák - 2023.In: Novus Scientia 2023 : 20. Medzinárodná vedecká konferencia doktorandov strojníckych fakúlt technických univerzít a vysokých škôl : Zborník príspevkov z 20. Medzinárodnej vedeckej konferencie doktorandov strojníckych fakúlt technických univerzít a vysokých škôl. - Košice (Slovensko) : Technická univerzita v Košiciach s. 36-41 [CD-ROM]. - ISBN 978-80-553-4369-3. [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3 - Výstup publikačnej činnosti z časopisu - Vedecký(7)

V3001 [301935] **Analýza únosnosti vysokopevných ocelí HCT600X spájaných bodovým odporovým zvaráním** / Denis Cmorej, Ľuboš Kaščák - 2021.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 44 (2021), s. 59-63 [online]. - ISSN 1337-7094. [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3002 [302126] **Numerická simulácia mechanického spájania metódou clinching plechov z hliníkovej zliatiny AW 5754** / Ľuboš Kaščák, Denis Cmorej - 2021.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 44 (2021), s. 152-155 [online]. - ISSN 1337-7094. [KAŠČÁK, Ľuboš (50%) - CMOREJ, Denis (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3003 [302594] **Resistance Spot Welding of Transformation- Induced Plasticity Steel RAK 40/70** / Denis Cmorej, Ľuboš Kaščák - 2021.In: Acta Mechanica Slovaca : journal published by Faculty of Mechanical Engineering, the Technical University in Košice. - Košice (Slovensko) : Strojnícka fakulta Roč. 25, č. 4 (2021), s. 50-56 [print, online]. - ISSN 1335-2393. [CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené

Databázy: WOS: nie CCC: nie SCOPUS: nie

V3004 [305655] **Numerical Simulation of Resistance Spot Welding of Steel Sheets HCT600X+ZF** / Denis Cmorej, Ľuboš Kaščák, Július Hajduk - 2022.In: International Journal of Trend in Scientific Research and Development. - Amreli (India) : Rekha Patel Roč. 6, č. 7 (2022), s. 983-987 [online]. - ISSN 2456-6470.
[CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (45%) - HAJDUK, Július (5%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3005 [305753] **Numerical and experimental studies on clinch-bonded hybrid joining of steel sheet DX53D+Z** / Ľuboš Kaščák ... [et al.] - 2022.In: Acta Metallurgica Slovaca. - Košice (Slovensko) : Fakulta materiálov, metalurgie a recyklácie Roč. 28, č. 4 (2022), s. 219-223 [print]. - ISSN 1335-1532.
[KAŠČÁK, Ľuboš (20%) - CMOREJ, Denis (20%) - SLOTA, Ján (20%) - SPIŠÁK, Emil (20%) - VARGA, Ján (20%)]

Kvartil: WOS:Q0,SCO:Q3 | Impakt faktor: neuvedené
Databázy: WOS: áno CCC: nie SCOPUS: áno

V3006 [305754] **Simulácia bodového odporového zvarovania oceľových plechov HCT600X+Z** / Denis Cmorej, Ľuboš Kaščák - 2022.In: Transfer inovácií : internetový časopis o inováciách v priemysle. - Košice (Slovensko) : Technická univerzita v Košiciach č. 46 (2022), s. 87-90 [online]. - ISSN 1337-7094.
[CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

V3007 [306067] **Numerical simulation of mechanical joining of three DP600 and DC06 steel sheets** / Denis Cmorej, Ľuboš Kaščák - 2023.In: Advances in Mechanical and Materials Engineering. - Rzeszow (Poľsko) : Politechnika Rzeszowska Roč. 40, č. 1 (2023), s. 23-29 [online]. - ISSN 2956-4794.
[CMOREJ, Denis (50%) - KAŠČÁK, Ľuboš (50%)]

Kvartil: neuvedené | Impakt faktor: neuvedené
Databázy: WOS: nie CCC: nie SCOPUS: nie

[V3] **Clinching of high-strength steel sheets with local preheating** / Miroslav Džupon (40%), Ľuboš Kaščák (35%), Denis Cmorej (3%), Lucia Čiripová (5%), Jacek Mucha (2%), Emil Spišák (15%) In: Applied Sciences, Roč. 13, č. 13, s. 25. **(zaregistrované, nezverejnené v knižnici TUKE)**

Kvartil: WOS:Q2,SCO:Q2 | Impakt faktor: 2.7
Databázy: WOS: áno CCC: áno SCOPUS: áno