



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ  
УНИВЕРЗИТЕТСКА БИБЛИОТЕКА  
У КРАГУЈЕВЦУ

Бр. I-01-269 / 30.11.2016 године  
у Крагујевцу

## ПОТВРДА О ЦИТИРАНОСТИ РАДОВА

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**Vukic Lazic, Aleksandar Sedmak, Miroslav Zivkovic, Srbislav Aleksandrovic, Rajko Cukic, Radomir Jovicic, Ivana Ivanovic: THEORETICAL-EXPERIMENTAL DETERMINING OF COOLING TIME ( $t_{8/5}$ ) IN HARD FACING OF STEELS FOR FORGING DIES, Thermal Science, Vinca Institute, Belgrad, ISSN 0354-9836, Year 2010, Vol. 14, No 1, pp. 235-246. (M23)**

Record 1 of 15

By: Meseguer-Valdenebro, JL (Meseguer-Valdenebro, Jose L.); Martinez-Conesa, EJ (Martinez-Conesa, Eusebio J.); Serna, J (Serna, Jose); Portoles, A (Portoles, Antonio)

Title: INFLUENCE OF THE WELDING PARAMETERS ON THE HEAT AFFECTED ZONE FOR ALUMINUM WELDING

Source: THERMAL SCIENCE

Volume: 20

Issue: 2

Pages: 643-653

DOI: 10.2298/TSCI140503106M

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Record 2

By: Savytsky, OM (Savytsky, Oleksandr M.); Savytsky, MM (Savytsky, Mychailo M.); Shkrabalyuk, YM (Shkrabalyuk, Yuriy M.); Vuherer, T (Vuherer, Tomaz); Bajic, DR (Bajic, Darko R.)

Title: THE INFLUENCE OF ELECTRIC ARC ACTIVATION ON THE SPEED OF HEATING AND THE STRUCTURE OF METAL IN WELDS

Source: THERMAL SCIENCE

Volume: 20

Issue: 1

Pages: 239-246

DOI: 10.2298/TSCI140530125S

Published: 2016

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Record 3

By: Celin, R (Celin, Roman); Bernetic, J (Bernetic, Jure); Balantic, DAS (Balantic, Danijela Anica Skobir)

Title: WELDING OF THE STEEL GRADE S890QL

Source: MATERIALI IN TEHNOLOGIJE

Volume: 48

Issue: 6

Pages: 931-935

Published: NOV-DEC 2014

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Record 4

By: Aburuga, TKS (Aburuga, Tarek Kh S.); Sedmak, AS (Sedmak, Aleksandar S.); Radakovic, ZJ (Radakovic, Zoran J.)

Title: NUMERICAL ASPECTS FOR EFFICIENT WELDING COMPUTATIONAL MECHANICS

Source: THERMAL SCIENCE

Volume: 18

Pages: S139-S148

DOI: 10.2298/TSCI130227180A

Supplement: 1

Published: 2014

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Record 5

By: Lazic, VN (Lazic, Vukic N.); Ivanovic, IB (Ivanovic, Ivana B.); Sedmak, AS (Sedmak, Aleksandar S.); Rudolf, R (Rudolf, Rebeka); Lazic, MM (Lazic, Mirjana M.); Radakovic, ZJ (Radakovic, Zoran J.)

Title: NUMERICAL ANALYSIS OF TEMPERATURE FIELD DURING HARDFACING PROCESS AND COMPARISON WITH EXPERIMENTAL RESULTS

Source: THERMAL SCIENCE

Volume: 18

Pages: S113-S120

DOI: 10.2298/TSCI130117177L

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Published: 2014

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Record 6

By: Meseguer-Valdenebro, JL (Meseguer-Valdenebro, Jose L.); Martinez-Conesa, EJ (Martinez-Conesa, Eusebio J.); Miguel-Eguia, V (Miguel-Eguia, Valentin); Valcuende Paya, M (Valcuende Paya, Manuel)

Title: CALCULATION OF  $t(8/5)$  BY RESPONSE SURFACE METHODOLOGY FOR ELECTRIC ARC WELDING APPLICATIONS

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Volume: 18

Pages: S149-S158

DOI: 10.2298/TSCI130418162V

Supplement: 1

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Record 7

By: Nikolic, RH (Nikolic, Radovan H.); Radovanovic, MR (Radovanovic, Miroslav R.); Zivkovic, MM (Zivkovic, Miroslav M.); Nikolic, AV (Nikolic, Aleksandar V.); Rakic, DM (Rakic, Dragon M.); Blagojevic, MR (Blagojevic, Milan R.)

Title: MODELING OF THERMOELECTRIC MODULE OPERATION IN INHOMOGENEOUS TRANSIENT TEMPERATURE FIELD USING FINITE ELEMENT METHOD

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Volume: 18

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Record 8

By: Hornung, J (Hornung, J.); Zikin, A (Zikin, A.); Pichelbauer, K (Pichelbauer, K.); Kalin, M (Kalin, M.); Kirchgassner, M (Kirchgassner, M.)

Title: Influence of cooling speed on the microstructure and wear behaviour of hypereutectic Fe-Cr-C hardfacings

Source: MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING

Volume: 576

Pages: 243-251

DOI: 10.1016/j.msea.2013.04.029

Published: AUG 1 2013

Record 9

By: Ivanovic, I (Ivanovic, Ivana); Sedmak, A (Sedmak, Aleksandar)

Edited by: Simos, TE (Simos, TE)

Title: The Influence of Power and Velocity of the Heat Source on Temperature Distribution in Plate Welding Problems

Source: NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2011: INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, VOLS A-C

Book Series Title: AIP Conference Proceedings

Volume: 1389

DOI: 10.1063/1.3636947

Published: 2011

Conference Title: International Conference on Numerical Analysis and Applied Mathematics (ICNAAM)

Conference Date: SEP 19-25, 2011

Conference Location: Halkidiki, GREECE

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Record 10

By: Ivanovic, IB (Ivanovic, Ivana B.); Sedmak, AS (Sedmak, Aleksandar S.); Milos, MV (Milos, Marko V.); Zivkovic, AB (Zivkovic, Aleksandar B.); Lazic, MM (Lazic, Mirjana M.)

Title: NUMERICAL STUDY OF TRANSIENT THREE-DIMENSIONAL HEAT CONDUCTION PROBLEM WITH A MOVING HEAT SOURCE

Source: THERMAL SCIENCE

Volume: 15

Issue: 1

Pages: 257-266

DOI: 10.2298/TSCI1101257I

Published: 2011

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Record 11

By: Ivanovic, I (Ivanovic, Ivana); Sedmak, A (Sedmak, Aleksandar)

Book Author(s): Simos, TE

Edited by: Psihoyios, G (Psihoyios, G); Tsitouras, C (Tsitouras, C)

Title: Sensitivity Equation for Transient Three-Dimensional Heat Conduction Problem with Moving Heat Source

Source: NUMERICAL ANALYSIS AND APPLIED MATHEMATICS, VOLS I-III

Book Series Title: AIP Conference Proceedings

Volume: 1281

Pages: 2127-2130

DOI: 10.1063/1.3498384

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Conference Location: Rhodes, GREECE

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Record 12

By: Zivkovic, MM (Zivkovic, Miroslav M.); Nikolic, AV (Nikolic, Aleksandar V.); Slavkovic, RB (Slavkovic, Radovan B.); Zivic, FT (Zivic, Fatima T.)

Title: NON-LINEAR TRANSIENT HEAT CONDUCTION ANALYSIS OF INSULATION WALL OF TANK FOR TRANSPORTATION OF LIQUID ALUMINUM

Source: THERMAL SCIENCE

Volume: 14  
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Pages: S299-S312  
DOI: 10.2298/TSCI100506029Z  
Supplement: S  
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Record 13

By: Zivkovic, MM (Zivkovic, Miroslav M.); Vulovic, SD (Vulovic, Snezana D.); Vujanac, RS (Vujanac, Rodoljub S.)  
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**Srbislav Aleksandrović, Vlatko Marušić, Tomislav Vujinović, Leon Maglić: INFLUENCE OF VARIABLE BLANK HOLDING FORCE AND NONMONOTONOUS PROCESS OF DEEP DRAWING ON FORMABILITY OF COATED SHEETS, Strojarstvo-Journal for Theory and Application in Mechanical Engineering, Croatian Union of Mechanical Engineers and Naval Architects, Zagreb, ISSN 0562-1887 Zagreb, Hrvatska, Year 2010., Vol. 52, No. 2, pp. 159-168. (M23)**

Record 1 of 2

By: Krsulja, M (Krsulja, M.); Car, Z (Car, Z.); Radelja, H (Radelja, H.)  
Title: BEHAVIOUR OF X5 CrNiMo 17-12-2 MATERIAL DURING DEEP DRAWING PROCESS  
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A computer assisted process design of multi-step deep drawing  
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**Vukic Lazic, Milorad Jovanovic, Aleksandar Sedmak, Srbislav Aleksandrovic, Dragan Milosavljevic, Bozidar Krstic, Rajko Cukic: ENERGETIC ANALYSIS OF HARD FACING AND WELD CLADDING OF AN AIR POWERED DROP HAMMER DAMAGED RAM, Thermal Science, Vinca Institute, Belgrad, 2010., ISSN 0354-9836, Vol. 14, Suppl., pp. S269-S284. (M23)**

Record 1 of 3

By: Meseguer-Valdenebro, JL (Meseguer-Valdenebro, Jose L.); Martinez-Conesa, EJ (Martinez-Conesa, Eusebio J.); Miguel-Eguia, V (Miguel-Eguia, Valentin); Valcuende Paya, M (Valcuende Paya, Manuel)  
Title: CALCULATION OF  $t(8/5)$  BY RESPONSE SURFACE METHODOLOGY FOR ELECTRIC ARC WELDING APPLICATIONS  
Source: THERMAL SCIENCE  
Volume: 18  
Pages: S149-S158  
DOI: 10.2298/TSCI130418162V  
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Published: 2014

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Record 2 of 3

By: Ivanovic, I (Ivanovic, Ivana); Sedmak, A (Sedmak, Aleksandar); Lazic, V (Lazic, Vukic)  
Edited by: Simos, T (Simos, T); Psihoyios, G (Psihoyios, G); Tsitouras, C (Tsitouras, C)  
Title: Numerical Analysis of Thermal Conditions for Planning and Further Improvements of Hard Surfacing Experiment  
Source: 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013)  
Book Series Title: AIP Conference Proceedings  
Volume: 1558  
Pages: 2414-2418  
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Record 3 of 3

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Title: STUDY ON IMPACT PROPERTIES OF CREEP-RESISTANT STEEL THERMALLY SIMULATED HEAT AFFECTED ZONE  
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**Dragan Adamovic, Vesna Mandic, Zoran Jurkovic, Branko Grizelj, Milentije Stefanovic, Tomislav Marinkovic, Srbislav Aleksandrovic: AN EXPERIMENTAL MODELLING AND NUMERICAL FE ANALYSIS OF STEEL-STRIPE IRONING PROCESS, Tehnički vjesnik/Technical Gazette, Sveuciliste Josipa Jurja Strossmayera u Osijeku i Strojarski Fakultet u Slavonskom Brodu, ISSN: 1330-3651, Slavonski Brod, Hrvatska, god. 17, br. 4, X-XII 2010., pp. 435-444. (M23)**

Record 1 of 5

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Title: A Numerical and Experimental Study of Constrained Ironing Process as a Novel High Thickness Reduction Ironing Method

Source: TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS

Volume: 69

Issue: 10

Pages: 1843-1849

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Published: DEC 2016

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Record 2 of 5

By: Senveter, J (Senveter, Jernej); Balic, J (Balic, Joze); Ficko, M (Ficko, Mirko); Klancnik, S (Klancnik, Simon)

Title: PREDICTION OF TECHNOLOGICAL PARAMETERS OF SHEET METAL BENDING IN TWO STAGES USING FEED-FORWARD NEURAL NETWORK

Source: TEHNICKI VJESNIK-TECHNICAL GAZETTE

Volume: 23

Issue: 4

Pages: 1155-1161

DOI: 10.17559/TV-20141201225004

Published: JUL-AUG 2016

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Record 3 of 5

By: Sabangban, N (Sabangban, N.); Mahayotsanun, N (Mahayotsanun, N.); Sucharitpwatskul, S (Sucharitpwatskul, S.); Mahabunphachai, S (Mahabunphachai, S.)

Title: Wear prediction of die coatings in strip ironing by finite element simulation

Source: TRANSACTIONS OF THE INSTITUTE OF METAL FINISHING

Volume: 94

Issue: 4

Special Issue: SI

Pages: 199-203

DOI: 10.1080/00202967.2016.1180813

Published: 2016

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Conference Date: NOV 16-17, 2015

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By: Sabangban, N (Sabangban, Numchoak); Mahabunphachai, S (Mahabunphachai, Sasawat);  
Sucharitpwatskul, S (Sucharitpwatskul, Sedthawatt); Mahayotsanun, N (Mahayotsanun, Numpon)  
Edited by: Ghazali, MJB (Ghazali, MJB); BinAbdollah, MF (BinAbdollah, MF)  
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Source: PROCEEDINGS OF MALAYSIAN INTERNATIONAL TRIBOLOGY CONFERENCE 2015  
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By: Selles, M (Selles, M. A.); Schmid, S (Schmid, S. R.); Sanchez-Caballero, S (Sanchez-Caballero, S.);  
Perez-Bernabeu, E (Perez-Bernabeu, E.); Reig, M (Reig, M. J.)  
Title: Upper-bound modelization of an ironed three-layered polymer-coated steel strip  
Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY  
Volume: 60  
Issue: 1-4  
Pages: 161-171  
DOI: 10.1007/s00170-011-3584-z  
Published: APR 2012

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**B. Nedeljkovic, V. Lazic, S. Aleksandrovic, B. Krstic, M. Mutavdzic, D. Milosavljevic, M. Djordjevic:**  
**INFLUENCE OF THE CARBIDE TYPE ON TRIBOLOGICAL PROPERTIES OF THE HARD-**  
**FACED LAYERS, MJoM Metalurgija-Journal of Metallurgy, Vinča, Beograd, SRB ISSN 0354-6306,**  
**Vol. 16, N°2, 2010., pp. 77-90.**

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By: Kapali, G (Kapali, Gulin); Sahin, S (Sahin, Salim); Yuksel, N (Yuksel, Nilay); Sargin, F (Sargin, Fatih);  
Yaman, B (Yaman, Barbaros)  
Title: Wear Behavior of Fe-C-Cr Based Hardfacing Alloys Dependent on Ferrovandium and Ferrotungsten  
Addition  
Source: MATERIALS TESTING  
Volume: 56  
Issue: 10  
Pages: 869-873  
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By: Polat, S (Polat, Seyda); Atapek, SH (Atapek, S. Hakan); Turedi, E (Turedi, Enbiya); Aktas, G (Aktas,  
Gulsah)  
Title: Wear Behaviour of Heat Treated Hot Work Tool Steels under Dry Sliding Conditions  
Source: MATERIALS TESTING  
Volume: 55  
Issue: 3  
Pages: 163-167  
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**V. Lazic, D. Milosavljevic, S. Aleksandrovic, P. Marinkovic, G. Bogdanovic, B. Nedeljkovic: Carbide Type Influence on Tribological Properties of Hard Faced Steel Layer – Part I – Theoretical Considerations, Tribology in industry, FACULTY OF MECHANICAL ENGINEERING, Kragujevac, SRB ISSN: 0354-8996, Vol. 32 (2010), N° 2, pp. 11-20.**

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By: Cao, HT (Cao, H. T.); Dong, XP (Dong, X. P.); Pan, Z (Pan, Z.); Wu, XW (Wu, X. W.); Huang, QW (Huang, Q. W.); Pei, YT (Pei, Y. T.)

Title: Surface alloying of high-vanadium high-speed steel on ductile iron using plasma transferred arc technique: Microstructure and wear properties

Source: MATERIALS & DESIGN

Volume: 100

Pages: 223-234

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Record 2 of 5

By: Hua, GM (Hua, Guomin); Li, DY (Li, Dongyang)

Title: A first-principles study on the mechanical and thermodynamic properties of (Nb<sub>1-x</sub>Ti<sub>x</sub>)C complex carbides based on virtual crystal approximation

Source: RSC ADVANCES

Volume: 5

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Pages: 103686-103694

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Title: Effect of Nb and Mo on the hot ductility behavior of a high-manganese austenitic Fe-21Mn-1.3Al-1.5Si-0.5C TWIP steel

Source: MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING

Volume: 616

Pages: 229-239

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Published: OCT 20 2014

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Title: Microstructural and Mechanical Properties Investigation of TiC Reinforced Hardface Alloy Deposited on Mild Steel Substrate

Source: TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS

Volume: 66

Issue: 4

Special Issue: SI

Pages: 433-436

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Published: AUG 2013

Conference Title: 5th International Symposium for Research Scholars (ISRS)

Record 5 of 5

By: Howell, AG (Howell, Andrew G.); Wang, HL (Wang, Heli); Cowley, SW (Cowley, Scott W.); Turner, JA (Turner, John A.)

Title: Characterization and performance of UNS S63019 (21-4N) as bipolar plate material in a simulated polymer electrolyte membrane fuel cell environment

Source: JOURNAL OF POWER SOURCES

Volume: 196

Issue: 14

Special Issue: SI

Pages: 5922-5927

DOI: 10.1016/j.jpowsour.2011.02.055

Published: JUL 15 2011

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**V. Lazic, D. Milosavljevic, S. Aleksandrovic, P. Marinkovic, G. Bogdanovic, B. Nedeljkovic, M. Mutavdzic: Tribological Investigations of Hard-Faced Layers and Base Materials of Forging Dies with Different Kinds of Lubricants Applied, Tribology in industry, FACULTY OF MECHANICAL ENGINEERING, Kragujevac, SRB ISSN: 0354-8996, Vol. 32 (2010), N° 4, pp. 36-44.**

Record 1 of 1

By: Lazic, V (Lazic, Vukic); Arsic, D (Arsic, Dusan); Nikolic, RR (Nikolic, Ruzica R.); Hadzima, B (Hadzima, Branislav)

Edited by: Kirschke, H (Kirschke, H)

Title: Experimental determination of residual stresses in the hard-faced layers after hard-facing and tempering of hot work steels

Source: XXV POLISH - RUSSIAN - SLOVAK SEMINAR -THEORETICAL FOUNDATION OF CIVIL ENGINEERING

Book Series Title: Procedia Engineering

Volume: 153

Pages: 392-399

DOI: 10.1016/j.proeng.2016.08.139

Published: 2016

Conference Title: 25th Russian-Polish-Slovak Seminar on Theoretical Foundation of Civil Engineering

Conference Date: JUL 11-16, 2016

Conference Location: Zilina, SLOVAKIA

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**Jovanovic, M; Lazic, V; Marinkovic, P; Nedeljkovic, B; Aleksandrovic, S; Milosavljevic, S: Estimates of weldability and selection of the optimal procedure and technology of welding of high strength steel WELDOX 700. Conference: 26th Meeting Welding 2010 Location: Tara, Serbia. 2010, pp 82**

Record 1 of 1

By: Mandolino, C (Mandolino, C.); Lertora, E (Lertora, E.); Davini, L (Davini, L.); Gambaro, C (Gambaro, C.)

Title: Investigation on gas metal arc weldability of a high strength tool steel

Source: MATERIALS & DESIGN

Volume: 56

Pages: 345-352

DOI: 10.1016/j.matdes.2013.11.042

**Srbislav Aleksandrović, Milentije Stefanović, Dragan Adamović, Vukić Lazić: VARIATION OF NORMAL ANISOTROPY RATIO  $r$  DURING THE PLASTIC FORMING**, *Strojniški vestnik- Journal of Mechanical Engineering*, ISSN 0039-2480, Ljubljana, Slovenia, Vol. 55, 2009., No 6, pp. 392-399. (M23)

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By: Parida, AK (Parida, Anil Kumar); Soren, S (Soren, Satrughna); Jha, RN (Jha, Raghu Nandan); Sadhukhan, S (Sadhukhan, Sanjoy)

Title: Formability of Al-killed AISI 1040 Medium Carbon Steel for Cylindrical Cup Formation

Source: ISIJ INTERNATIONAL

Volume: 56

Issue: 4

Pages: 610-618

DOI: 10.2355/isijinternational.ISIJINT-2015-571

Published: 2016

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Record 2

By: Gross, AJ (Gross, A. J.); Ravi-Chandar, K (Ravi-Chandar, K.)

Title: On the Extraction of Elastic-Plastic Constitutive Properties From Three-Dimensional Deformation Measurements

Source: JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME

Volume: 82

Issue: 7

Special Issue: SI

Article Number: 071013

DOI: 10.1115/1.4030322

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Record 3

By: Harhash, M (Harhash, Mohamed); Sokolova, O (Sokolova, Olga); Carrado, A (Carrado, Adele); Palkowski, H (Palkowski, Heinz)

Title: Mechanical properties and forming behaviour of laminated steel/polymer sandwich systems with local inlays - Part 1

Source: COMPOSITE STRUCTURES

Volume: 118

Pages: 112-120

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By: Esmailizadeh, R (Esmailizadeh, Reza); Khalili, K (Khalili, Kourosh); Mohammadsadeghi, B (Mohammadsadeghi, Bagher); Arabi, H (Arabi, Hossein)

Title: Simulated and experimental investigation of stretch sheet forming of commercial AA1200 aluminum alloy

Source: TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA

Volume: 24

Issue: 2

Pages: 484-490

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**Проф. др Србислав Александровић**

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