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International Researcher IDs

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Publons / Web Of Science ResearcherID: M-8975-2014

ScopusID: 15838185400

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Education Information

Doctorate, Yıldız Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 2008 - 2012

Postgraduate, Yıldız Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 2006 - 2008

Undergraduate, Uludağ Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Kesici Ağız Yuvarlatılmış Aşınmış Kesici Takımlar ile Ortogonal Talaş Kaldırmanın Kayma Hatları İle Modellenmesi ve Analizi, Yıldız Teknik Üniversitesi, Makine Mühendisliği, İmal Usulleri, 2012

Postgraduate, Rüzgar Türbini Kanat Malzemelerinin Mekanik Özelliklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Makine Mühendisliği, İmal Usulleri, 2008

Research Areas

Mechanical Engineering, Construction and Manufacturing, Computer Aided Design and Manufacturing, Machining Methods, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2022 - Continues
Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2022
Associate Professor, University of Kentucky, College Of Engineering, Mechanical Engineering, 2017 - 2018
Assistant Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2017 - 2017
Research Assistant PhD, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2012 - 2017
Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2007 - 2012

Supervised Theses

Uysal A., CGI malzemenin nanoakışkan kullanılarak MMY yöntemi ile talaşlı şekillendirilmesi, Postgraduate, U.DEMİR(Student), 2022
Uysal A., Paslanmaz çeliğin nanoakışkan kullanılan minimum miktarda yağlama yöntemiyle sürdürülebilir tornalanması, Postgraduate, E.SAATÇI(Student), 2022
Uysal A., Altan E., Östenitik ve Martenzitik Paslanmaz Çeliklerin Nanoakışkan Kullanılarak Minimum Miktarda Yağlama Yöntemi ile Sürdürülebilir Frezelenmesi, Postgraduate, F.Demiren(Student), 2015
Uysal A., Altan E., Tornalamada talaş kaldırma parametrelerinin takım ömrüne etkilerinin Taguchi yaklaşımıyla incelenmesi, Postgraduate, O.ÇALIŞKAN(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Machining and Sustainability Performance Comparison for the Milling Process of Al6082 Alloy Under Various Minimum Quantity Lubrication Conditions**
Yapan Y. F., Türkeli K., Emiroğlu U., Bahçe E., Uysal A.
International Journal of Precision Engineering and Manufacturing - Green Technology, vol.12, no.2, pp.409-430, 2025 (SCI-Expanded)
- II. **The effects of minimum quantity lubrication parameters on the lubrication efficiency in the turning of plastic mold steel**
Hamdi A., YAPAN Y. F., UYSAL A., Merghache S. M.
International Journal of Advanced Manufacturing Technology, vol.132, no.11-12, pp.5803-5821, 2024 (SCI-Expanded)
- III. **Investigation of ultrasonic vibration assisted orthogonal turning under dry and minimum quantity lubrication conditions and performing sustainability analyses**
Duman E., Yapan Y. F., Salvi H., Sofuoğlu M. A., Khanna N., Uysal A.
JOURNAL OF CLEANER PRODUCTION, vol.434, pp.1-16, 2024 (SCI-Expanded)
- IV. **Influence of singular and dual MQL nozzles on sustainable milling of Al6061-T651 in different machining environments**
Cönger D. B., Yapan Y. F., Emiroğlu U., Uysal A., Altan E.
JOURNAL OF MANUFACTURING PROCESSES, vol.109, pp.524-536, 2024 (SCI-Expanded)
- V. **Investigation of MQL and CNC turning parameters on the machinability of unreinforced polypropylene: study of surface roughness, temperature, and specific cutting energy**
Hamdi A., Yapan Y. F., Uysal A., Merghache S. M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.130, pp.717-730, 2024 (SCI-Expanded)
- VI. **Investigation on machining of GFRP through ANOVA, DFA, and CoCoSo method combined with**

Taguchi approach

Haoues S., Yallese M. A., Kaddeche M., UYSAL A., Safi K.

Journal of Reinforced Plastics and Composites, 2024 (SCI-Expanded)

- VII. **Sustainability assessment and optimization for milling of compacted graphite iron using hybrid nanofluid assisted minimum quantity lubrication method**
Demir U., Yapan Y. F., Uysal A., Uslu Uysal M.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, vol.38, pp.1-16, 2023 (SCI-Expanded)
- VIII. **Multi-objective analysis and optimization of energy aspects during dry and MQL turning of unreinforced polypropylene (PP): an approach based on ANOVA, ANN, MOWCA, and MOALO**
Hamdi A., Yapan Y. F., Uysal A., Abderazek H.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.1, pp.1-18, 2023 (SCI-Expanded)
- IX. **In pursuit of sustainability in machining thin walled α -titanium tubes: An industry supported study**
Khanna N., Kshitij G., Solanki M., Bhatt T., Patel O., UYSAL A., Sarıkaya M.
Sustainable Materials and Technologies, vol.36, 2023 (SCI-Expanded)
- X. **Assessment of turning AISI 316L stainless steel under MWCNT-reinforced nanofluid-assisted MQL and optimization of process parameters by NSGA-II and TOPSIS**
Oussama B., Yapan Y. F., Uysal A., Abdelhakim C., Mourad N.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.1, pp.1-14, 2023 (SCI-Expanded)
- XI. **Orthogonal turning of AISI 310S austenitic stainless steel under hybrid nanofluid-assisted MQL and a sustainability optimization using NSGA-II and TOPSIS**
Saatçi E., Yapan Y. F., Uslu Uysal M., Uysal A.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, vol.36, pp.1-18, 2023 (SCI-Expanded)
- XII. **Investigation on the effect of hybrid nanofluid in MQL condition in orthogonal turning and a sustainability assessment**
Usluer E., Emiroğlu U., Yapan Y. F., Kshitij G., Khanna N., Sarıkaya M., Uysal A.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, vol.36, pp.1-14, 2023 (SCI-Expanded)
- XIII. **Modeling and optimization in turning of PA66-GF30% and PA66 using multi-criteria decision-making (PSI, MABAC, and MAIRCA) methods: a comparative study**
Haoues S., Yallese M. A., Belhadi S., Chihaoui S., UYSAL A.
International Journal of Advanced Manufacturing Technology, vol.124, no.7-8, pp.2401-2421, 2023 (SCI-Expanded)
- XIV. **Production and Cleaning of Lattice Structures Used in the Space and Aerospace Industry with Metal Additive Manufacturing Method**
Akbay O. C., BAHÇE E., UYSAL A., GEZER İ.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.31, no.8, pp.6310-6321, 2022 (SCI-Expanded)
- XV. **Effect of Octet-Truss Lattice Transition Geometries on Mechanical Properties**
Emir E., BAHÇE E., UYSAL A.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.30, no.12, pp.9370-9376, 2021 (SCI-Expanded)
- XVI. **Evaluation of MQL performances using various nanofluids in turning of AISI 304 stainless steel**
Touggui Y., UYSAL A., EMİROĞLU U., Belhadi S., Temmar M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.115, no.11-12, pp.3983-3997, 2021 (SCI-Expanded)
- XVII. **Analysis of slip-line model for serrated chip formation in orthogonal machining of AISI 304 stainless steel under various cooling/ lubricating conditions**
UYSAL A., Jawahir I. S.
JOURNAL OF MANUFACTURING PROCESSES, vol.67, pp.447-460, 2021 (SCI-Expanded)
- XVIII. **A comparative study on performance of cermet and coated carbide inserts in straight turning AISI 316L austenitic stainless steel**
Touggui Y., Belhadi S., UYSAL A., Temmar M., Yallese M. A.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.112, pp.241-260, 2021 (SCI-Expanded)

- XIX. Turning Performance of Bonded Cutting Tools with Nanographene or Multi-walled Carbon Nanotube Particle-Reinforced Epoxy-Based Nanocomposite Adhesives**
Uysal A., Eryildiz E., Altan E.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.44, pp.7737-7752, 2019 (SCI-Expanded)
- XX. A slip-line model for serrated chip formation in machining of stainless steel and validation**
Uysal A., Jawahir I. S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.101, pp.2449-2464, 2019 (SCI-Expanded)
- XXI. Mechanical strength of single-lap joints bonded with nano graphene and MWCNT reinforced epoxy-based nanocomposite adhesives**
Eryildiz E., Uysal A., Altan E.
MATERIALS TESTING, vol.61, pp.349-352, 2019 (SCI-Expanded)
- XXII. Accuracy estimation in drilling small holes on engineering plastics by a mathematical approach**
UYSAL A., Altan M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.232, no.21, pp.3807-3813, 2018 (SCI-Expanded)
- XXIII. Evaluation of drilling parameters on surface roughness and burr when drilling carbon black reinforced high-density polyethylene**
UYSAL A.
JOURNAL OF COMPOSITE MATERIALS, vol.52, no.20, pp.2719-2727, 2018 (SCI-Expanded)
- XXIV. Influence of cutting temperature when drilling carbon black reinforced polyamides**
UYSAL A.
MATERIALS TESTING, vol.60, no.6, pp.627-632, 2018 (SCI-Expanded)
- XXV. An Experimental Study on Mechanical Behavior of Nanographene/Epoxy Nanocomposites**
Altan M., UYSAL A.
ADVANCES IN POLYMER TECHNOLOGY, vol.37, no.4, pp.1061-1066, 2018 (SCI-Expanded)
- XXVI. Effects of cutting parameters on drilling performance of carbon black-reinforced polymer composite**
Uysal A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.232, pp.1133-1142, 2018 (SCI-Expanded)
- XXVII. Effects of nano graphene particles on surface roughness and cutting temperature during MQL milling of AISI 430 stainless steel**
UYSAL A.
MATERIALS TESTING, vol.60, no.5, pp.533-537, 2018 (SCI-Expanded)
- XXVIII. Investigation into the effectiveness of cutting parameters on wear regions of the flank wear curve and associated cutting tool life improvement**
Altan E., Uysal A., Çalışkan O.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.57, pp.54-70, 2018 (SCI-Expanded)
- XXIX. Surface Roughness in Nanofluid Minimum Quantity Lubrication Milling of AISI 430 Ferritic Stainless Steel**
UYSAL A.
JOURNAL OF TESTING AND EVALUATION, vol.45, no.3, pp.933-939, 2017 (SCI-Expanded)
- XXX. Investigation of cutting temperature in minimum quantity lubrication milling of ferritic stainless steel by using multi wall carbon nanotube reinforced cutting fluid**
UYSAL A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.3, pp.645-650, 2017 (SCI-Expanded)
- XXXI. Effect of work hardening of cobalt in sintered carbide cutting tool on tool failure during interrupted cutting**
ALTAN E., UYSAL A., ANAC S. H., Ozturk S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.88, pp.359-367, 2017 (SCI-

- Expanded)
- XXXII. **Slip-line field modelling of rounded-edge cutting tool for orthogonal machining**
Uysal A., Altan E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.230, pp.1925-1941, 2016 (SCI-Expanded)
- XXXIII. **Cutting parameters for optimum surface roughness during end milling of carbon fiber reinforced composites**
UYSAL A.
MATERIALS TESTING, vol.58, no.6, pp.588-593, 2016 (SCI-Expanded)
- XXXIV. **Surface Roughness in Drilling of Electrically Conductive Polyamide**
Uysal A., Altan E.
ACTA PHYSICA POLONICA A, vol.129, pp.442-444, 2016 (SCI-Expanded)
- XXXV. **Investigation of Surface Roughness and Chip Forms in Milling of Stainless Steel by MQL Method**
Uysal A., Demiren F., Altan E.
ACTA PHYSICA POLONICA A, vol.129, pp.439-441, 2016 (SCI-Expanded)
- XXXVI. **Investigation of flank wear in MQL milling of ferritic stainless steel by using nano graphene reinforced vegetable cutting fluid**
UYSAL A.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.68, no.4, pp.446-451, 2016 (SCI-Expanded)
- XXXVII. **Quality during milling of a glass fiber reinforced polymer composite**
UYSAL A., Altan M.
MATERIALS TESTING, vol.57, no.9, pp.767-772, 2015 (SCI-Expanded)
- XXXVIII. **Surface Roughness of Milled Sheet Molding Compound Composites**
UYSAL A., ALTAN M.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1218-1220, 2015 (SCI-Expanded)
- XXXIX. **An experimental study on dead metal zone in orthogonal cutting with worn rounded-edge cutting tools**
Uysal A., Ozturk S., Altan E.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.51, pp.401-412, 2015 (SCI-Expanded)
- XL. **A Study on Drilling of AISI 304L Stainless Steel with Nanocomposite-Coated Drill Tools**
Uysal A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.39, no.11, pp.8279-8285, 2014 (SCI-Expanded)
- XLI. **Experimental investigation of a slip-line field model for a worn cutting tool**
Uysal A., Altan E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.228, pp.1398-1404, 2014 (SCI-Expanded)
- XLII. **Effects of process parameters on surface roughness in saw cutting of polypropylene/TiO₂ nano composites**
ALTAN M., UYSAL A., ALTAN E.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.36, no.3, pp.615-621, 2014 (SCI-Expanded)
- XLIII. **A NEW SLIP-LINE FIELD MODELING OF ORTHOGONAL MACHINING WITH A ROUNDED-EDGE WORN CUTTING TOOL**
Uysal A., Altan E.
MACHINING SCIENCE AND TECHNOLOGY, vol.18, pp.386-423, 2014 (SCI-Expanded)
- XLIV. **Metallographic Analysis of the Dead Metal Zone In Metal Cutting With a Rounded-Edge Tool**
Ozturk S., UYSAL A., ALTAN E.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.50, no.5, pp.318-330, 2013 (SCI-Expanded)
- XLV. **Effects of cutting parameters on tool wear in drilling of polymer composite by Taguchi method**
UYSAL A., ALTAN M., ALTAN E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.58, pp.915-921, 2012 (SCI-

Expanded)

Articles Published in Other Journals

- I. **Examining the Effect of the Fe₃O₄-Doped Nanofluid MQL Method on the Machining Performance of Al-Mg-Si Alloy**
Yücel M., Aydın A., Sağdıç Ö. F., Yapan Y. F., Uysal A.
Advances in Machinery, Materials Science and Engineering Application X, vol.58, pp.148-153, 2024 (Scopus)
- II. **Surface Roughness Assessment After Milling of Pure and Carbon Black Reinforced Polypropylene Materials**
Akn A. H., Yapan Y. F., Kusyj Y., Ivanov V., Uysal A.
LECTURE NOTES IN MECHANICAL ENGINEERING, vol.1, pp.251-263, 2023 (Scopus)
- III. **Dimensional Accuracy of Porous Structures Manufactured Using Air Controller**
EMİR E., BAHÇE E., UYSAL A., Dzhemilov E.
LECTURE NOTES IN MECHANICAL ENGINEERING, pp.90-97, 2022 (Scopus)
- IV. **Ensuring the Quality of Conical Mating Surfaces Processing by Diamond Honing**
Dzhemilov E., UYSAL A., Yakubov C., Dzhemalyadinov R.
LECTURE NOTES IN MECHANICAL ENGINEERING, pp.232-241, 2022 (Scopus)
- V. **Improvement of the MQL Efficiency in Machining Stainless Steel by Adding Nanoparticles to the Cutting Fluid**
Touggui Y., UYSAL A., EMİROĞLU U., Dzhemilov E., Belhadi S.
LECTURE NOTES IN MECHANICAL ENGINEERING, pp.219-228, 2021 (Scopus)
- VI. **An Experimental and Statistical Investigation on Cutting Forces in Turning of AISI 304 Stainless Steel under Dry, MQL and Nanofluid MQL Conditions**
Touggui Y., UYSAL A., EMİROĞLU U., Dzhemilov E.
LECTURE NOTES IN MECHANICAL ENGINEERING, vol.1, pp.513-522, 2021 (Scopus)
- VII. **Cutting and Thrust Forces in Face Turning of Ti6Al4V under Various Cutting Environments**
UYSAL A.
Sigma Journal of Engineering and Natural Sciences, vol.39, no.1, pp.39-44, 2021 (ESCI)
- VIII. **Minimizing Surface Roughness and Radius Error in Laser Cutting of EN10346 Steel Plate**
Kangal A. M., UYSAL A., Dzhemilov E., Dzhemalyadinov R.
Lecture Notes in Mechanical Engineering: Advanced Manufacturing Processes II, vol.1, no.1, pp.394-401, 2021 (Scopus)
- IX. **Effect of MWCNT on Surface Roughness and Burr Height in MQL Milling of AISI 430 Ferritic Stainless Steel**
UYSAL A., Dzhemilov E., Dzhemalyadinov R.
Ukrainian Journal of Mechanical Engineering and Materials Science, vol.6, no.1, pp.8-13, 2020 (Peer-Reviewed Journal)
- X. **The Influence of Milling Parameters on Cutting Forces in High-speed Milling of Polymer Materials**
UYSAL A., Dzhemilov E., Dzhemalyadinov R.
LECTURE NOTES IN MECHANICAL ENGINEERING, vol.1, pp.462-470, 2020 (Scopus)
- XI. **Multi-objective optimization of turning parameters for targeting surface roughness and maximizing material removal rate in dry turning of AISI 316L with PVD-coated cermet insert**
Touggui Y., Belhadi S., Mechraoui S., Uysal A., Yallese M. A., Temmar M.
SN APPLIED SCIENCES, vol.2, 2020 (ESCI)
- XII. **Minimizing Carbon Emissions and Machining Costs with Improved Human Health in Sustainable Machining of Austenitic Stainless Steel through Multi-objective Optimisation**
UYSAL A., Caudill J. R., Schoop J., Jawahir I. S.
INTERNATIONAL JOURNAL OF SUSTAINABLE MANUFACTURING, vol.4, no.2-4, pp.281-299, 2020 (Scopus)
- XIII. **Analyzing Optimum Process Parameters in Laser Cutting of EN10025-2 Steel Plate**

Kangal A. M., UYSAL A.

Journal of Advances in Manufacturing Engineering, vol.1, no.1, pp.23-28, 2020 (Peer-Reviewed Journal)

- XIV. **An Investigation of Process Performance when Drilling Carbon Fiber Reinforced Polymer (CFRP) Composite under Dry, Cryogenic and MQL Environments**
Nagaraj A., UYSAL A., Jawahir I. S.
PROCEDIA MANUFACTURING, vol.43, pp.551-558, 2020 (Scopus)
- XV. **Validation of the Slip-line Model for Serrated Chip Formation in Orthogonal Turning under Dry and MQL Conditions**
Uysal A., Jawahir I.
Procedia CIRP, vol.82, pp.124-129, 2019 (Peer-Reviewed Journal)
- XVI. **Alüminyum 6061 Malzemenin MQL Yöntemi ile Frezelenmesinde Nano MoS₂ Katkılı Kesme Sıvısı Kullanımının Kesme Kuvvetleri ve Yüzey Pürüzlülüğüne Etkilerinin İncelenmesi**
Conger D. B., EMİROĞLU U., UYSAL A., ALTAN E.
Makina Tasarım ve İmalat Dergisi, vol.17, no.1, pp.31-37, 2019 (Peer-Reviewed Journal)
- XVII. **An Experimental Study on Cutting Temperature and Burr in Milling of Ferritic Stainless Steel under MQL using Nano Graphene Reinforced Cutting Fluid**
UYSAL A.
Advanced Materials Proceedings, vol.2, no.9, pp.560-563, 2017 (Peer-Reviewed Journal)
- XVIII. **Ferritik Paslanmaz Çeliğin Nano MoS₂ Parçacık Takviyeli Kesme Sıvısı Kullanılarak MQL Yöntemi ile Frezelenmesinde Yüzey Pürüzlülüğünün İncelenmesi**
UYSAL A.
DUMF Mühendislik Dergisi, vol.7, pp.151-158, 2016 (Peer-Reviewed Journal)
- XIX. **Karbon Siyahı Takviyeli Elektrik İleten Polipropilen Kompozite Delik Delinmesinde İşlem Parametrelerinin İncelenmesi**
UYSAL A., ALTAN E.
Politeknik Dergisi, vol.18, pp.241-249, 2015 (Peer-Reviewed Journal)
- XX. **Effect of Ploughing Force on Cutting Forces in Micro-Milling with a Rounded-Edge Cutting Tool**
Uysal A., Altan E.
Materials Today: Proceedings, vol.2, no.1, pp.224-229, 2015 (Peer-Reviewed Journal)
- XXI. **Applying Minimum Quantity Lubrication MQL Method on Milling of Martensitic Stainless Steel by Using Nano Mos₂ Reinforced Vegetable Cutting Fluid**
Uysal A., Furkan D., Altan E.
Procedia - Social and Behavioral Sciences, vol.195, pp.2742-2747, 2015 (Peer-Reviewed Journal)
- XXII. **RELATION BETWEEN DRILL BIT TEMPERATURE AND CHIP FORMS IN DRILLING OF CARBON BLACK REINFORCED POLYAMIDE**
UYSAL A.
JOURNAL OF THERMAL ENGINEERING, vol.1, no.7, pp.655-658, 2015 (ESCI)
- XXIII. **Kesici Ağzı Yuvarlatılmış Aşınmış Takımlarla Ortogonal Talaş Kaldırmada Kesme Kuvvetlerinin Deneysel İncelenmesi**
Uysal A., Altan E.
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.31, pp.350-362, 2013 (Peer-Reviewed Journal)
- XXIV. **Effects of Micro and Nano Inorganics Particles on the Mechanical Properties of Polypropylene**
ALTAN M., YILDIRIM H., UYSAL A.
Academic Journal of Science, vol.1, no.3, pp.15-24, 2012 (Peer-Reviewed Journal)
- XXV. **A Slip Line Approach to the Micro Cutting Process with a Rounded Edge Tool**
UYSAL A., ÖZTÜRK S., ALTAN E.
Advanced Materials Research, vol.445, pp.56-61, 2012 (Scopus)
- XXVI. **Analysis of Variance and Linear Regression Models of Cutting Forces in Orthogonal Cutting with Rounded Edge Worn Cutting Tools**
UYSAL A., ALTAN E.
Academic Journal of Science, vol.1, no.3, pp.7-13, 2012 (Peer-Reviewed Journal)

- XXVII. **Tensile Properties of Polypropylene Metal Oxide Nano Composites**
ALTAN M., YILDIRIM H., UYSAL A.
The Online Journal of Science and Technology, vol.1, no.1, pp.25-30, 2011 (Peer-Reviewed Journal)
- XXVIII. **Investigation of the Effects of Cutting Parameters on Surface Roughness in Drilling of Polymer Composite Materials**
UYSAL A.
International Journal of Arts & Sciences, vol.3, no.1, pp.27-32, 2009 (Peer-Reviewed Journal)
- XXIX. **Biyolojik İmalat Sistemleri**
UYSAL A., ALTAN E.
TT Magazin, vol.1, no.25, pp.64-68, 2008 (Peer-Reviewed Journal)
- XXX. **Biyolojik Talaş Kaldırma Yöntemi**
UYSAL A., ALTAN E.
Mühendis ve Makina, vol.1, no.583, pp.17-22, 2008 (Peer-Reviewed Journal)
- XXXI. **Rüzgar Türbini Rotor Kanatlarında Kullanılan Malzemeler**
Akdogan A., UYSAL A., Eker B.
MakinaTek, vol.1, no.123, pp.92-98, 2008 (Peer-Reviewed Journal)
- XXXII. **Yatay Eksenli Rüzgar Türbini Bileşenleri**
UYSAL A., Akdogan A., Eker B.
Electrotech, vol.1, no.165, pp.158-166, 2008 (Peer-Reviewed Journal)

Books

- I. **Ultrasonic Vibration-Assisted Machining with Minimum Quantity Lubrication for Aerospace Materials**
Duman E., Yapan Y. F., Uysal A., Sofuoğlu M. A.
in: Advances in Manufacturing for Aerospace Alloys, Selim Gürgen, Editor, Springer Nature, Eskişehir, pp.47-76, 2024

Papers Published in Refereed Scientific Meetings

- I. **CoCoSo Method-Based Evaluation of Cutting Parameters in Turning of AISI 1040 Steel Under Plain and Nano MoS₂ Reinforced Cutting Fluid Assisted MQL Methods**
Günay Y., YAPAN Y. F., Dzhemalyadinov R., Dzhemilov E., UYSAL A.
6th Grabchenko's International Conference on Advanced Manufacturing Processes, InterPartner 2024, Odessa, Ukraine, 10 - 13 September 2024, pp.290-299
- II. **ANALYSIS AND OPTIMIZATION OF MILLING PROCESS OF DIN 1.2738 MOLD STEEL USING NANOFLUID ASSISTED MQL METHOD**
AYDIN M., GÜNAY Y., YAPAN Y. F., LİVATYALI H., UYSAL A.
Proceedings of 12th UTIS International Congress on Machining, Antalya, Turkey, 1 - 03 November 2024, vol.1, pp.79-92
- III. **Effects of Cutting Parameters on Surface Roughness and Flank Wear in Face Turning of Inconel 718**
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ÇAKIR O., ALTAN E., UYSAL A., Project Supported by Higher Education Institutions, MAGNEZYUM VE ALAŞIMLARININ KİMYASAL İŞLENMESİ, 2015 - 2018

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