

بسمه تعالی

حمیدرضا عزت پور

Hamidreza Ezatpour

استادیار گروه علوم مهندسی دانشگاه حکیم سبزواری

تلفن تماس: ۰۵۱۴۴۲۰۰۹۸۰

همراه: ۰۹۱۲۲۵۵۱۳۱۱

Email: H.R.Ezatpour@gmail.com

h.ezatpour@hsu.ac.ir

https://scholar.google.com/citations?hl=en&user=gim8cLoAAAAJ&view_op=list_works&sortby=pubdate

Citation: 2034, h index: 17 Hi10: 30

مدارک تحصیلی

- کارشناسی ارشد: مهندسی متالورژی-گرایش شناسایی و انتخاب مواد فلزی-دانشگاه فردوسی (معدل: ۱۷/۲۶)

- دکتری: مهندسی متالورژی- مهندسی متالورژی-شکل دادن فلزات-دانشگاه فردوسی (معدل: ۱۷/۷۱)

عنوان رساله: بررسی رفتار تغییرشکل گرم نانوکامپوزیت $\text{Al-Al}_2\text{O}_3$ در دماهای بالا

- فرصت مطالعاتی در دوره دکتری: دانشگاه NTU of Singapore

زمینه فعالیت

- مواد فلزی-نانو مواد-نانوکامپوزیت و کامپوزیت

- تغییر شکل مواد در دمای محیط و دمای بالا

- خواص مکانیکی و فیزیکی مواد

فعالیت های اجرایی

- عضو شورای آموزشی دانشگاه ۹۵-۹۸
- عضو شورای پژوهشی دانشگاه ۹۵-۹۸
- عضو شورای فرهنگی دانشگاه ۹۵-۹۸
- مدیر گروه ۹۴-۹۵ و ۹۷-۹۶ و ۹۷-۹۸
- مدیر کمیته ترقیع دانشگاه ۹۶-۹۸
- مشاور انجمن علمی گروه صنایع ۹۶-۹۷
- عضو کمیته علمی کنفرانس بین المللی پژوهش های نوین در علوم مهندسی قرن ۲۱ در سال ۹۶
- عضو کمیته علمی نانو خراسان
- عضو کمیته علمی کنفرانس بین المللی صنعت سیمان و افق پیشزو در سال ۹۸
- راه اندازی کارگاه ریخته گری در سال ۹۶
- راه اندازی کارگاه جوشکاری در سال ۹۶
- راه اندازی کارگاه ماشین ابزار در سال ۹۶

عنوانین و افتخارات

- پژوهشگر برتر دانشگاه در سال ۱۳۹۴-۹۵
- پژوهشگر برتر دانشگاه در سال ۱۳۹۵-۹۶
- پژوهشگر برتر دانشگاه در سال ۱۳۹۶-۹۷
- عضو آموزشی برتر در دانشگاه در سال ۱۳۹۹-۱۴۰۰
- چاپ مقاله داغ با بیشترین ارجاعات در مجله **Material and Design IF=4**
- انتخاب طرح پژوهشی-کاربردی به عنوان طرح برگزیده معاونت ارتباطات با صنعت وزارت علوم تحقیقات و فناوری

Publications

مجلات معتبر علمی پژوهشی

1. HR Ezatpour M. Torabi Parizi, GR Ebrahimi, **Extraordinarily strengthening and toughening efficiency of hybrid carbonaceous (GNP+CNT) reinforced AZ80 matrix composite**, International Journal of Lightweight Materials and Manufacture, 2021.
 2. HR Ezatpour M. Torabi Parizi, GR Ebrahimi, **The extraordinary effect of very low content of hybrid carbonaceous reinforcement on the microstructural and mechanical properties of 7075 aluminum alloy**, Archives of Civil and Mechanical Engineering 21 (2), 1-24.
 3. M Kavyani, GR Ebrahimi, HR Ezatpour, M Jahazi **Microstructure refinement, mechanical and biocorrosion properties of Mg-Zn-Ca-Mn alloy improved by a new severe plastic deformation process**, Journal of Magnesium and Alloys 2021.
 4. M Paidar, K Tahani, RV Vignesh, OO Ojo, HR Ezatpour, A Moharrami **Modified friction stir clinching of 2024-T3 to 6061-T6 aluminium alloy: effect of dwell time and precipitation-hardening heat treatment** Materials Science and Engineering: A 791, 139734.
 5. M. Torabi Parizi, GR Ebrahimi, HR Ezatpour, M Paydar , **The structure effect of carbonaceous reinforcement on the microstructural characterization and mechanical behavior of AZ80 magnesium alloy**, Journal of Alloys and Compounds, 151682 (Top ten).
 6. S Ramezanzade, GR Ebrahimi, M Torabi-parizi, HR Ezatpour, **Microstructure and mechanical characterizations of graphene nanoplatelets reinforced Mg-Sr-Ca alloy as a novel composite in structural and biomedical applications**, Composite Materials, 2019.
 7. H Mohammadnia, SM Mosavizade, HR Ezatpour,, **Effect of tool rotation speed and dwelling time on mechanical properties of Al-Mg sheets welded by protrusion friction stir spot welding** Journal of Mechanic, Tarbait Modarres, 2020.
 8. M Paidar, OO Ojo, HR Ezatpour, A Heidarzadeh, **Influence of multi-pass FSP on the microstructure, mechanical properties and tribological characterization of Al/B4C composite fabricated by accumulative roll bonding (ARB)** Surface and Coatings Technology 361 (1), 159-169, 2019.
 9. N Farmanbar, SM Mosavizade, HR Ezatpour, **Achieving special mechanical properties with considering dwell time of AA5052 sheets welded by a simple novel friction stir spot welding**, Marin Structure 65 (1), 197-214, 2019 (Top ten).
 10. M Kaviani, GR Ebrahimi, hamidreza Ezatpour, M Ahmadnia, **Relationship between mechanical properties, microstructure and texture evaluations during**
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 12. M Kaviani, GR Ebrahimi, HR Ezatpour, **Improving the mechanical properties and biocorrosion resistance of extruded Mg-Zn-Ca-Mn alloy through hot deformation**, Materials Chemistry and Physics, 234, 245-258, 2019.
 13. S Ramezanlade, GR Ebrahimi, M Torabi-parizi, HR Ezatpour, **Synergetic effect of GNP_s and MgOs on the mechanical properties of Mg-Sr-Ca alloy**, Materials Science and Engineering: A, 2019, 138025, 2019. (**Top ten**).
 14. GR Ebrahimi, A Momeni, HR Ezatpour, M Jahazi, P Bocher. **Dynamic recrystallization in Monel400 Ni-Cu alloy: mechanism and role of twinning**, Materials Science and Engineering: A 744 (1), 376-385, 2019 (**Top ten**).
 15. N Farmanbar, SM Mousavizade, HR Ezatpour, **Protrusion friction stir spot welding: A simple novel method to produce dissimilar joints of galvanized steel/aluminum sheets with high mechanical performance**, Materials Research Express 6 (2), 1-20, 2019.
 16. MT Parizi, GR Ebrahimi, HR Ezatpour, **Effect of graphene nanoplatelets content on the microstructural and mechanical properties of AZ80 magnesium alloy**, Materials Science and Engineering: A 742 (4), 373-389, 2019. (**Top ten**).
 17. JH C. Ahmadi Toussi, HR Ezatpour, JG Shiri, **Effect of using different metal and ceramic materials as restorations on stress distribution around dental implants: a comparative finite element study**, Materials Research Express 5 (11), 1-12, 2018.
 18. G.R. Ebrahimi, H.R. Ezatpour, **Effect of precipitation on the warm deformation behavior of AA2024 alloy**, Materials Science & Engineering A 681 (2017) 10–17. (**Top-ten**)
 19. H.R. Ezatpour, M. Torabi-parizi, G.R. Ebrahimi, A. Momeni, **Effect of micro-alloy elements on dynamic recrystallization behavior of a high-manganese steel, accepted**, International Steel Research, 2018
 20. G. R. Ebrahimi, H.R. Ezatpour, A. Amiri, **A novel single pass severe plastic deformation method using combination of planar twist extrusion and conventional extrusion**, Journal of Manufacturing process, 2018.
 21. F. Zarghani, S. M. Mousavizadeh, H.R. Ezatpour, G. R. Ebrahimi, **High**
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22. A. R. Shahrabadi, S. M. Mousavizadeh, **H.R. Ezatpour**, M. Pouranvari **High mechanical performance of welded DQSK steel by a simple novel method of friction stir spot welding**, Material Research Express, Accepted, 2018.
 23. G.R. Ebrahimi, A. Momeni, **H.R. Ezatpour**, **Modeling the viscoplastic behavior and grain size in a hot worked Nb-bearing high Mn-steel, accepted**, Materials Science and Engineering A, 2018. (Top-ten)
 24. A. Momeni, G.R. Ebrahimi, **H.R. Ezatpour**, **Modeling the yield point phenomena in Inconel 600 at elevated temperatures, accepted**, Philosophical Magazine, 2018.
 25. M. Khani **H.R. Ezatpour** G.R. Ebrahimi, **Study of Microstructural Evolution and Mechanical Properties of Al-CNT Nanocomposite Produced by Accumulative Roll Bonding Process**, under review, International Journal of Materials Research, 2018.
 26. M. Kaviani, G.R. Ebrahimi, **H.R. Ezatpour**, **Relationship between mechanical properties, microstructure and texture evaluations during hot deformation of AZ63 magnesium alloy**, Accepted, Materials Research Express, 2019.
 27. S. Khani, **H.R. Ezatpour**, G. R. Ebrahimi, **Mechanical and microstructure properties of Al/CNT-Al₂O₃ hybrid nanocomposite produced by accumulative roll bonding process, accepted**, Journal of Mechanic, Tarbait Modarres, 2017.
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 29. Ali Tabesh, Gholamreza Ebrahimi, **Hamidreza Ezatpour** **The Investigation and Comparison of Mechanical Propertise and Microstructure Al/CNT and Al/CNT/Al₂O₃ Comosites Produced by Mixed Accumulative Roll Bounding, Accepted** in Journal of Science and Technology of composites, 2017.
 30. MT Parizi, A Habibolahzadeh, GR Ebrahimi, **HR Ezatpour**, **Achieving extraordinary combination of strength and elongation of AZ80-0.5 Ca alloy** Materials Science and Engineering: A 690, 313-322. (Top-ten)
 31. HR Ezatpour, SA Sajjadi, A Chaichi, **GR Ebrahimi**, **Mechanical and microstructure properties of deformed Al-Al₂O₃ nanocomposite at**
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32. M. Chaman-Ara, G.R. Ebrahimi, H.R. Ezatpour, **Deformation behavior and processing maps of Mg-Zn-Y alloy containing I phase at elevated temperatures**, accepted in Transactions of Nonferrous Metals Society of China 2017.
 33. N. Bayat, G.R. Ebrahimi, A. Momeni, H.R. Ezatpour **Microstructural evolution of a super austenitic stainless steel during a two-step deformation process**, Mineral and Material Society, 2018.
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 38. H. R. Ezatpour, S. A. Sajjadi, M. Haddad Sabzevar, A. Chaichi, G. R. Ebrahimi, **Processing map and microstructure evaluations of AA6061-Al₂O₃ nanocomposite at different temperatures**, Transactions of Nonferrous Metals Society of China 2017 23 (5), 1262-1268.
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کنفرانس های بین المللی داخلی و خارجی

53. **Hamid Reza Ezatpour**, SeyedAbolkarimSajjadi, Mohsen Haddad Sabzevar, Yizhong Huang, **Fractography of Al6061 and its nanocomposites fabricated by casting**, Proceedings of Iran International Aluminum Conference (IIAC2014), Tehran, Iran
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 57. **H.R. Ezatpour**, H. Beygi, S. A. Sajjadi, M. Torabi Parizi, **Microstructure and mechanical properties of AL-AL₂O₃ micro and nano composites fabrication by stir casting**, 2nd conferences of applications of nanotechnology in sciences, Engineering and medicine, Azad University of mashhad,Mashhad, Iran, 2011.
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 60. **H.R. Ezatpour**, M. Torabi Parizi, S.A. Sajjadi, M. Haddad Sabzevar, **Investigation of behavior dynamic recrystallization of K310 tool steel in during of hot deformation**. 4th conferences of Metallurgy engineering
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66. M. Torabi-Parizi, H.R. Ezatpour, S. A. Sajjad, **Extruding of Al-Al₂O₃ composites fabricated by stir-casting process**, Proceedings of Iran International Aluminum Conference (IIAC2012), May 15-16, 2012, Arak, I.R. Iran

داوری مجلات معتبر علمی

- 1) Material and Design
- 2) Material, Science and Engineering A (Top-ten)
- 3) Alloys and Compounds (Top-ten)
- 4) Materials Characterization (Top-ten)
- 5) Material Science and Technology (Top-ten)
- 6) Composite Materials
- 7) Material Research Express
- 8) Material research
- 9) Transactions of Nonferrous Metals Society of China
- 10) Advanced research
- 11) Journal of Multidiscipline Modeling in Materials and Structures
- 12) International Journal of Materials Engineering Innovation
- 13) Advances in Materials Research

- 14) Polymer composites
 15) Material Science Engineering Application
 16) Science and Technology of composites
 17) Journal of Materials Science
 18) Steel Research International

طرح های پژوهشی

Projects:

- Production of Al/Al2O₃ and Al/SiC nanocomposite, 2010-2012 (Mashhad University)
- Production of WC bars: 2010-2012 (Mashhad University)
- Production of Ag nanoparticles by biotechnology method 2014-201 (Mashhad University)
- Investigation of plastic deformation of IN738 super alloy 2014-2015 (Mashhad University)
- Production of Al/GNPs and CNTS nanocomposites- 2017 (Mashhad University)

طرح ریاست جمهوری توسعه و تولید کا مپوزیت زمینه **AI7075** با اثر بخشی فوق العاده استحکام تقویت شده با **CNT+GNP** داوری شده و در مرحله بررسی نهایی ۱۳۹۸
 طرح بین الملل بررسی اثر تقویت کننده **CNT** و **GNP** روی آلیاژهای آنتروپی بالا بین دانشگاه حکیم سبزواری، دانشگاه فردوسی مشهد و دانشگاه **NUS** سنگاپور ۱۳۹۹

پایان نامه

- (۱) کارشناسی ارشد خانم حمیده ارشادی کیا با عنوان بررسی تاثیر بور رفتار تغییرشکل گرم سوپرآلیاژ IN718
- (۲) کارشناسی ارشد خانم نرگس بیات با عنوان بررسی رفتار تبلور مجدد متادینامیک فولاد زنگ نزن سوپر آستینیتی ۱۶ Cr25Ni6Mo
- (۳) کارشناسی ارشد آقای مهدی چمن آرا با عنوان تاثیر فاز بیست وجهی بر ریز ساختار و خواص مکانیکی آلیاژ-Mg-Zn-Y
- (۴) کارشناسی ارشد آقای علی تابش با عنوان بررسی خواص مکانیکی و ریزساختار کامپوزیت زمینه آلومینیومی تقویت شده با نانولوله کربنی و آلومینیا تولید شده توسط فرایند نورد اتصال انباشتی ترکیبی
- (۵) کارشناسی ارشد علی برغمدی با عنوان تغییر شکل پلاستیک شدید یک مرحله ای حاصل از ترکیب فرایندهای اکستروژن برشی ساده و اکستروژن
- (۶) کارشناسی ارشد مریم خواجه جعفری عنوان پایان نامه/رساله به فارسی: بررسی رفتار کارگرم و تحولات ریزساختاری فولاد زنگ نزن دوفازی 2304+0.03Ti
- (۷) دکتری آقای مهدی کاویانی با عنوان بررسی ریزساختار، رفتار مکانیکی و خواص بیو خوردگی آلیاژ کارشده-Mg-Ca-Mn

- (۹) دکتری شادی رمضان زاده با عنوان رفتار مکانیکی، ریز ساختار و خواص خوردگی کامپوزیت با هدف بهبود کارپذیری و زیست سازگاری $Mg-Sr-Ca-xGNP-xMgo$
- (۱۰) دکتری آقای مسعود خانی با عنوان مطالعه خواص ریز ساختاری و مکانیکی و بیو خوردگی هیبرید نانو بیو کامپوزیت $Mg-0.8Mn-0.5Ca/Gr+FA$ تولید شده به روش ریخته گری همزن مکانیکی و اکسیتروژن در کاتال های نیمه برابر زاویه دار
- (۱۱) دکتری، سمانه میرزایی، بررسی رفتار تغییر شکل گرم سوپرآلیاژ پایه نیکل در دمای بالا