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Education

- B.Sc, Materials Engineering-Industrial Metallurgy,Ferdowsi University of Mashhad - 2000
- MS, Materials Engineering,Materials and Energy Research Center - 2003
- PhD, Materials Engineering,University Magdeburg - 2016
- PhD, Materials Engineering,University Magdeburg - 2016

Courses

1. Mechanical Properties of Materials I
2. Mechanical Properties of Materials 2
3. computer programming
4. Simulation in Materials Science and Engineering
5. APPLICATION OF COMPUTER IN MATERIAL ENGINEERING
6. Fracture Mechanics

Master Thesis

1. Preparation of silica-decorated graphene oxide nanohybrid system as a particulate reinforcement for woven jute fabric reinforced epoxy composites

مهناز اميرابادي زاده, [Hamed Khosravi, Esmaeil Tohidlou]

نيمسال اول سال تحصيلي99-98

2. An experimental study on the flexural/tensile behavior, interlaminar shear strength and wear properties of E-glass chopped strand mat/epoxy composite containing various CaCO3 nanoparticle loadings

ريحانه خراساني, [Hamed Khosravi, Esmaeil Tohidlou]

نيمسال اول سال تحصيلي99-98

3. An investigation on mechanical behavior of multiscale nanozirconia/ graphene oxide/ basalt fiber/ epoxy composites

داود تورچي, [Hamed Khosravi, Esmaeil Tohidlou]

نيمسال اول سال تحصيلي 98-97

4. An investigation on the microstructure and mechanical behavior of Al-Si/graphene nanocomposites modified by erbium

سيدمسعود علوي, [Hamed Khosravi, Esmaeil Tohidlou]

نيمسال اول سال تحصيلي 98-97

5. Numerical and experimental investigation of the effect of perlite layer thickness on the mechanical properties of pearlitic steel

محمد محبي, [Esmaeil Tohidlou]

نيمسال اول سال تحصيلي 98-97

6. On the mechanical behavior and microstructure of graphene-reinforced Al-Mg2Si

محمد نجفي راد, [Esmaeil Tohidlou, Hamed Khosravi]

نيمسال اول سال تحصيلي 98-97

7. Modification of microstructure and mechanical properties of insitu Al-15%Mg2Si composites through the addition of erbium

زهرا روستا, [Esmaeil Tohidlou, Hamed Khosravi]

نيمسال اول سال تحصيلي 97-96

8. Effect of additing irbium on the microstructure and mechanical properties of Al-7.5Si-0.5Mg alloy

رضا نيازي, [Esmaeil Tohidlou, Hamed Khosravi]

نيمسال اول سال تحصيلي 97-96

9. Microstructure modification of Al-Si alloy via severe plastic deformation

ميلاد علي خاني محمداباد, [Esmaeil Tohidlou, M Kh]

نيمسال اول سال تحصيلي 97-96

10. Mechanical behavior of CaCO3/carbon fiber/epoxy multiscale composites

ثريا شه بخش, [Esmaeil Tohidlou, Hamed Khosravi]

نيمسال اول سال تحصيلي 97-96

11. On the Mechanical and tribological properties of silane surface modified graphene nanoplatelets- epoxy nanocomposites

حسام اميربيگي عرب, [Esmaeil Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی96-95

12. the effect of annealing and thickness reduction on the anisotropy behavior

ساره سلطاني نژاد, [Ghodratollah Roudini, Esmaeil Tohidlou]

نیمسال اول سال تحصیلی96-95

Journals Papers

2025

1. Experimental Study on Mechanical Behavior of Basalt Fiber Reinforced Epoxy Composite Enhanced With Nanosilica-Decorated Multiwalled Carbon Nanotubes

Zahra Dadran, Hamed Khosravi, Esmaeil Tohidlou

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (36) 1 - 12

2. On the Mechanical Properties of Copper Oxide (CuO)-Decorated Graphene Oxide/Epoxy Nanocomposites

Fariba Mohseni, Alireza Rezvani, Hamed Khosravi, Esmaeil Tohidlou

Polymer-Plastics Technology and Materials Volume: (64) 158 - 169

3. Enhancement of Interlaminar Shear Strength and Wear Resistance of E-Glass Fiber/Epoxy Composite With ZnO Nanoparticle-Anchored Graphene Oxide

Hamed Khosravi, Mohaddeseh Rastgou, Esmaeil Tohidlou

POLYMERS FOR ADVANCED TECHNOLOGIES Volume: (36) 1 - 10

2023

4. Effect of CNTs/nano-TiO2 hybrid system on the drop-weight impact response of Kevlar fiber/epoxy composites

Sareh Soltaninejad, Esmaeil Tohidlou, Hamed Khosravi

POLYMER COMPOSITES Volume: (44) 3425 - 3434

5. Reinforcing Effect of Organosilane-Grafted CaCO3 Nanoparticles on Mechanical Performance of E-Glass Chopped Strand Mat/Epoxy Composites

Reyhaneh Khorasani, Hamed Khosravi, Esmaeil Tohidlou

Silicon Volume: (15) 4603 - 4612

2022

6. Flexural and wear properties of E-glass chopped strand mat/epoxy composite laminates containing silanized nano-CaCO 3

Reyhaneh Khorasani, Esmaeil Tohidlou, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: (113) 541 - 548

7. Enhanced flexural and tribological properties of basalt fiber-epoxy composite using nano-zirconia/graphene oxide hybrid system

Davood Toorchi, Esmaeil Tohidlou, Hamed Khosravi

Journal of Industrial Textiles Volume: (51) 3238 - 3252

8. Efficient reinforcement of jute fiber/epoxy composite with Nanosilica@Graphene hybrid filler

Mahnaz Amirabadizadeh, Hamed Khosravi, Esmaeil Tohidlou

Journal of Industrial Textiles Volume: (51) 3119S - 3130S

9. Reinforcing effect of Fe2O3 nanoparticle-decorated graphene oxide on flexural and wear behaviors of epoxy composites

Salman Mahaki, Hamed Khosravi, Esmaeil Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (139) e53228-1 - e53228-10

2021

10. Preparation of silica?decorated graphene oxide nanohybrid system as a highly efficient reinforcement for woven jute fabric reinforced epoxy composites

Mahnaz Amirabadizadeh, Hamed Khosravi, Esmaeil Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (138) 49653-1 - 49653-11

11. Viscoelastic and dry-sliding wear properties of basalt fiber-reinforced composites based on a surface-modified graphene oxide/epoxy matrix

, Hamed Khosravi, Alireza Rezvani, Esmaeil Tohidlou, JA Poulis

Journal of Industrial Textiles Volume: (50) 939 - 953

12. On the low?velocity and high?velocity impact behaviors of aramid fiber/epoxy composites containing modified?graphene oxide

Ali Safamanesh, SEYED MOSTAPHA MUSAVI, Hamed Khosravi, Esmaeil Tohidlou

POLYMER COMPOSITES Volume: (42) 608 - 617

13. Influence of Erbium Addition on the Microstructural Evolution and Tensile Properties of Al/Mg2Si in-situ Metal Matrix Composites

ZAHRA ROOSTA, Esmaeil Tohidlou, Hamed Khosravi

Iranian Journal of Materials Science and Engineering Volume: (18) 71 - 79

14. Synergistic effect of nano-ZrO 2 /graphene oxide hybrid system on the high-velocity impact behavior and interlaminar shear strength of basalt fiber/epoxy composite

Davood Toorchi, Hamed Khosravi, Esmaeil Tohidlou

Journal of Industrial Textiles Volume: (51) 277 - 296

15. A comparative study on dry-sliding wear behavior of graphene oxide/epoxy nanocomposites functionalized by amino- and epoxy-silane coupling agents

, Alireza Rezvani, Hamed Khosravi, Esmaeil Tohidlou

POLYMER COMPOSITES Volume: (42) 5930 - 5935

2020

16. Influence of modified carbonate calcium nanoparticles on the mechanical properties of carbon fiber/epoxy composites

Soraya Shahbakhsh, Esmaeil Tohidlou, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: (111) 550 - 554

17. Simultaneous removal of heavy metals from wastewater using modified sodium montmorillonite nanoclay

Mohammad reza Rezai kahkha, Massoud Kaykhaii, Batool Rezaei Kahkha, Hamed Khosravi, Esmaeil Tohidlou

ANALYTICAL SCIENCES Volume: (36) 1039 - 1043

18. Microstructure-Property Relationships in an Erbium-Modified Al-Si-Mg Alloy

Reza Niazi, Esmaeil Tohidlou, Hamed Khosravi

Iranian Journal of Materials Science and Engineering Volume: (17) 40 - 48

19. Effect of graphene nanoplatelets on the microstructure and mechanical behavior of erbium-modified Al-7.5Si-0.5Mg alloy

Seyed masood Alavi, Hamed Khosravi, Esmaeil Tohidlou

Journal of Particle Science and Technology Volume: (6) 37 - 45

2019

20. Reinforcing effects of aminosilane-functionalized graphene on the tribological and mechanical behaviors of epoxy nanocomposites

, Hamed Khosravi, Esmaeil Tohidlou

JOURNAL OF APPLIED POLYMER SCIENCE Volume: (136) 47410-1 - 47410-8

21. Mechanical Properties of Multiscale Graphene Oxide/Basalt Fiber/Epoxy Composites

, Hamed Khosravi, Alireza Rezvani, Esmaeil Tohidlou

FIBERS AND POLYMERS Volume: (20) 138 - 146

22. رفتار سايشي نانوكامپوزيت هاي زمينه اپوكسي حاوي نانوصفحات گرافن اصلاح سطحي شده

, Esmaeil Tohidlou, Hamed Khosravi

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23. تاثير افزودن اربيم بر مشخصه¬هاي ريزساختاري و رفتار فشاري كامپوزيت¬هاي درجاي Al-15 wt.% Mg2Si

ZAHRA ROOSTA, Hamed Khosravi, Esmaeil Tohidlou

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24. بهبود استحكام برشي بين لايه اي و خواص خمشي كامپوزيت اپوكسي/الياف كربن از طريق افزودن نانوذرات كربنات كلسيم اصلاح سطحي شده

Soraya Shahbakhsh, Hamed Khosravi, Esmaeil Tohidlou

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25. Effect of strain hardening on subgrain formation during ECAP process

Esmaeil Tohidlou, Albrecht Bertram

MECHANICS OF MATERIALS Volume: (137) 103077-1 - 103077-9

26. Effect of ZrSiO4 particles on the wear properties of as-cast Al matrix particulate composites fabricated via various casting routes

, Esmaeil Tohidlou

Journal of Particle Science and Technology Volume: (5) 171 - 177

2018

27. Comment on Microstructure and mechanical properties of Al-nano/micro SiC composites produced by stir casting technique by K. Amouri et al. Mater. Sci. Eng. A 674 (2016) 569578

Hamed Khosravi, Esmaeil Tohidlou

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: (710) 334 - 335

28. Effect of surface-functionalization of Na-montmorillonite nanoclay using 3-aminopropyltrimethoxy silane on the mechanical properties of E-glass chopped strand mat/epoxy composites

, Hamed Khosravi, Esmaeil Tohidlou

Journal of Particle Science and Technology Volume: (4) 59 - 65

29. On the mechanical behavior of basalt fiber/epoxy composites filled with silanized graphene oxide nanoplatelets1

, Alireza Rezvani, Hamed Khosravi, Esmaeil Tohidlou

POLYMER COMPOSITES Volume: (39) 2472 - 2482

2017

30. Effect of initial orientation on subgrain formation in nickel single crystals during equal channel angular pressing

Esmaeil Tohidlou, Albrecht Bertram

MECHANICS OF MATERIALS Volume: (114) 30 - 39

2010

31. Effect of Zn addition on optical properties and microstructure of Y2O3 Eu nanopowders prepared by combustion method

Esmaeil Tohidlou, , , Mahdi Shafiee Afarani

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: () 2663 - 2666

2008

32. تاثیر عملیات حرارتي بر خواص کشـشي و سـایشـي کامپوزیت Fe-6Vol. TiC

, Esmaeil Tohidlou,

Volume: (35) 11 - 20

Conferences Papers

2025

1. ZnO-Grafted Graphene Oxide as a Promising Reinforcement for Glass Fiber/Epoxy Composites

Hamed Khosravi, Mohaddeseh Rastgou, Esmaeil Tohidlou

2023

2. Reinforcing effect of CNTs-TiO2 hybrid on drop-weight impact properties of Aramid fiber/epoxy composites

Sareh Soltaninejad, Esmaeil Tohidlou, Hamed Khosravi

2022

3. Effect of multi-walled carbon nanotube addition on the low-velocity impact properties of Kevlar fiber/epoxy composites

2nd International Conference on Industrial Application of Advanced Materials and Manufacturing

2020

4. On the interlaminar shear strength of basalt fiber/epoxy composite filled with nano-ZrO2/graphene oxide nanohybrid

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2020)

Davood Toorchi, Hamed Khosravi, Esmaeil Tohidlou

5. Effect of CaCO3 nanoparticles on the flexural properties of E-glass chopped strand mat/epoxy composites

6. On the wear behavior of nano-CaCO3/E-glass fiber/epoxy composite

The 7th International Conference on Composites: Characterization, Fabrication and Application (CCFA-7)

2018

7. Mechanical properties of epoxy composites filled with silane modified graphene nanoplatelets

The Biennial International Conference on Experimental Solid Mechanics (X-Mech 2018)

2017

9. On the dry sliding wear performance of silane surface modified graphene nanoplatelets-epoxy nanocomposites

2nd International Conference on Mechanic and Aerospace Engineering

, Esmaeil Tohidlou,

10. Tensile and flexural properties of E-glass chopped strand mat/epoxy composites enhanced by the addition of silane modified nanoclay

6th International Biennial Conference on Ultra fine Grained and Nano structured Materials (UFGNSM2017)

, Hamed Khosravi, Esmaeil Tohidlou

11. Formation of globular structure in A357 aluminum alloy via a near-liquidus casting (NLC) route

6th International Conference on Materials Engineering and Metallurgical

Esmaeil Tohidlou, Mohamad Najafi rad, Hamed Khosravi

12. Effect of silane-modified nanoclay on the wear behavior of a chopped strand mat-epoxy composite

6th International Conference on Materials and Metallurgical Engineering

Hamed Khosravi, , Esmaeil Tohidlou

2009

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Reza Elmi hosseini, Esmaeil Tohidlou, Mahdi Shafiee Afarani

14. Effect of Zn addition on optical properties and microstructure of Y2O3 Eu nanopowders by solution combustion method

trends in nanotechnology

Esmaeil Tohidlou, , , Mahdi Shafiee Afarani

15. An Investigation On Effects Of TiO2 Nano-Particles Incorporated In Electroless NiP On Coatings Properties

2nd International Conference on Ultrafine Grained and Nanostructured Materials

, , Esmaeil Tohidlou

16. Effect of Zn addition on luminescence of Y2O3 Eu nanopowders using solution combustion method

2nd International Conference on Ultrafine Grained and Nanostructured Materials

Esmaeil Tohidlou, , , Mahdi Shafiee Afarani