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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

Courses

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|--|--|
| 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

مهنار اميرآبادي زاده, [Hamed Khosravi, Esmail Tohidlou]

نیمسال اول سال تحصیلی 98-99

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 CaCO_3 nanoparticle loadings

ریحانه خراسانی, [Hamed Khosravi, Esmail Tohidlou]

نیمسال اول سال تحصیلی 98-99

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

داود تورچی, [Hamed Khosravi, Esmail Tohidlou]

نیمسال اول سال تحصیلی 97-98

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

سیدمسعود علوی, [Hamed Khosravi, Esmail Tohidlou]

نیمسال اول سال تحصیلی 97-98

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

محمد محبی, [Esmail Tohidlou]

نیمسال اول سال تحصیلی 97-98

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

محمد نجفی راد, [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 97-98

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

زهرا روستا, [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

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

رضا نیازی, [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

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

میلاد علی خانی محمدآباد, [Esmail Tohidlou, M Kh]

نیمسال اول سال تحصیلی 96-97

10. Mechanical behavior of CaCO_3 /carbon fiber/epoxy multiscale composites

ثریا شه بخش, [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 96-97

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

حسام امیریگی عرب, [Esmail Tohidlou, Hamed Khosravi]

نیمسال اول سال تحصیلی 95-96

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

[Ghodratollah Roudini, Esmail Tohidlou], ساره سلطانی نژاد

نیمسال اول سال تحصیلی 95-96

Journals Papers

2021

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

Mahnaz Amirabadizadeh, Hamed Khosravi, Esmail Tohidlou

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

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

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

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

3. 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, Esmail Tohidlou

POLYMER COMPOSITES Volume: (42) 608 - 617

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

ZAHRA ROOSTA, Esmail Tohidlou, Hamed Khosravi

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

5. Synergistic effect of nano-ZrO₂ /graphene oxide hybrid system on the high-velocity impact behavior and interlaminar shear strength of basalt fiber/epoxy composite

Davood Toorchi, Hamed Khosravi, Esmail Tohidlou

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

6. Flexural and wear properties of E-glass chopped strand mat/epoxy composite laminates containing silanized nano-CaCO₃

Reyhaneh Khorasani, Esmail Tohidlou, Hamed Khosravi

JOURNAL OF THE TEXTILE INSTITUTE Volume: () -

7. 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, Esmail Tohidlou

POLYMER COMPOSITES Volume: (42) 5930 - 5935

2020

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

Soraya Shahbakhsh, Esmail Tohidlou, Hamed Khosravi

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

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

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

ANALYTICAL SCIENCES Volume: (36) 1039 - 1043

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

Reza Niazi, Esmail Tohidlou, Hamed Khosravi

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

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

Seyed masood Alavi, Hamed Khosravi, Esmail Tohidlou

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

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

Davood Toorchi, Esmail Tohidlou, Hamed Khosravi

Journal of Industrial Textiles Volume: () -

2019

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

, Hamed Khosravi, Esmail Tohidlou

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

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

, Hamed Khosravi, Alireza Rezvani, Esmail Tohidlou

FIBERS AND POLYMERS Volume: (20) 138 - 146

15. بهبود استحکام برشی بین لایه ای و خواص خمشی کامپوزیت اپوکسی/الیاف کربن از طریق افزودن نانوذرات کربنات کلسیم اصلاح سطحی شده

Soraya Shahbakhsh, Hamed Khosravi, Esmail Tohidlou

Volume: (6) 343 - 350

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

Esmail Tohidlou, Albrecht Bertram

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

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

, Esmail Tohidlou

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

2018

18. 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, Esmail Tohidlou

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

19. 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, Esmail Tohidlou

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

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

, Alireza Rezvani, Hamed Khosravi, Esmail Tohidlou

POLYMER COMPOSITES Volume: (39) 2472 - 2482

2017

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

Esmail Tohidlou, Albrecht Bertram

MECHANICS OF MATERIALS Volume: (114) 30 - 39

2010

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

Esmail Tohidlou, , , Mahdi Shafiee Afarani

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

2008

23. تاثیر عملیات حرارتی بر خواص کششی و سایشی کامپوزیت Fe-6Vol. TiC

, Esmail Tohidlou,

Volume: (35) 11 - 20

2020

1. 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

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

3. 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

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

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

2017

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

2nd International Conference on Mechanic and Aerospace Engineering

, Esmaeil Tohidlou,

7. 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

8. 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

9. 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

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

trends in nanotechnology

Esmail Tohidlou, , , Mahdi Shafiee Afarani

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

2nd International Conference on Ultrafine Grained and Nanostructured Materials

, , Esmail Tohidlou

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

2nd International Conference on Ultrafine Grained and Nanostructured Materials

Esmail Tohidlou, , , Mahdi Shafiee Afarani