



Ahmadreza Ghasemi

Professor

College: Faculty of Mechanical Engineering

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Education

| Degree | Graduated in | Major | University |
|--------|--------------|------------------------|---|
| BSc | 2000 | Mechanical Engineering | Shahid Chamran University of Ahvaz |
| MSc | 2002 | Mechanical Engineering | Iran University of Science and Technology |
| Ph.D | 2007 | Mechanical Engineering | Iran University of Science and Technology |

Employment Information

| Faculty/Department | Position/Rank | Employment Type | Cooperation Type | Grade |
|----------------------|---------------------|-----------------|------------------|-------|
| University of Kashan | Associate Professor | Certain | Full Time | |

Papers in Conferences

1. مهدی سعیدی اصفهانی، احمدرضا قاسمی، محمد حیدری رارانی، مطالعه اثرات پارامترهای ناحیه‌ی چسبناک بر رفتار رشد تورق در چندلایه‌های کامپوزیتی، بیست و هشتمین همایش سالانه بین‌المللی مهندسی مکانیک ایران، ۱ - تهران، ۲۰۲۰، ۵۵-۲۷.
2. احمدرضا قاسمی، سیده سارا امیراحمدی، بهزاد اصغری، اثرات استفاده از ماتریس تنظیم تیخانوف در محاسبه تنش‌های پسماند در روش سوراخکاری مرکزی، بیست و ششمین همایش سالانه بین‌المللی مهندسی مکانیک، ۱ - سمنان، ۲۰۱۸، ۲۴-۰۴.
3. تقویت شده T] احمدرضا قاسمی، مهدی محمدی فشارکی، مطالعه و کاهش انحاء در کامپوزیت‌های لایه‌ای [۰۲/۹۰۲. با نانولوله‌های کربنی، اولین کنفرانس بین‌المللی فناوریهای نوین در علوم، ۱ - آمل، ۲۰۱۷، ۰۷-۰۹.
4. احمدرضا قاسمی، مجتبی خلیلی، اکبر طهمورثی، مطالعه اثرات تمرکز تنش ابعاد هندسی سوراخ، چیدمان و جنس بر روی چند لایه‌های کامپوزیتی با هندسه حلقوی، ۲۵ امین کنفرانس سالانه بین‌المللی مهندسی مکانیک ایران، ۱ - تهران، ۲۰۱۷، ۵۵-۰۲.
5. احمدرضا قاسمی، اکبر طهمورثی، مجتبی خلیلی، مطالعه تحلیلی و تجربی اثرات چیدمان، ابعاد هندسی سوراخ و جنس بر روی ضریب تمرکز تنش چند لایه‌های کامپوزیتی، ۲۵ امین کنفرانس سالانه بین‌المللی مهندسی مکانیک ایران، ۱ - تهران، ۲۰۱۷، ۵۵-۰۲.
6. احمدرضا قاسمی، مجتبی قاسمی، تحلیل تنش‌های بین‌لایه‌ای در تیرهای کامپوزیتی گیردار- آزاد بر روی بستر الاستیک، شانزدهمین کنفرانس بین‌المللی انجمن هوافضای ایران، ۱ - تهران، ۲۰۱۷، ۲۱-۰۲.

7. به روش تیوری مرتبه (FML) علیرضا شالچی، احمدرضا قاسمی، تحلیل ارتعاشات آزاد صفحات هیبریدی فلز کامپوزیت اول برشی اصلاح شده و مقایسه آن با تیوری کلاسیک لایه ای، چهارمین کنفرانس ملی و دومین کنفرانس بین المللی پژوهش هایی کاربردی در مهندسی برق، مکانیک و مکترونیک، ۱ - تهران، ۲۰۱۷، ۱۷ ۰۲ .
8. احمدرضا قاسمی، بهنام عامری، استفاده از نانوکامپوزیت ها در کنترل خوردگی فلزات، چهارمین کنفرانس تخصصی فناوری نانو در صنعت برق و انرژی، ۱ - تهران، ۲۰۱۶، ۲۳ ۰۸ .
9. احمدرضا قاسمی، محمد محمدی فشارکی، مطالعه تنشهای پسماند الیاف کربنی تقویت شده به روش الکتروفورز در یزد، ۲۰۱۶ - ۱، SME2016، کامپوزیتهای پایه پلیمری، بیست و چهارمین همایش سالانه بین المللی مهندسی مکانیک ایران ۲۶ ۰۴ .
10. احمدرضا قاسمی، کمیل حسین پور، توزیع کرنش خزشی بلندمدت در جداره استوانه کامپوزیتی چندلایه با الیاف تک جهت، بیست و چهارمین همایش سالانه بین المللی مهندسی مکانیک ایران، ۱ - یزد، ۲۰۱۶، ۲۶ ۰۴ .
11. احمدرضا قاسمی، محسن اقابابایی بنی، توزیع تنش خزشی وابسته به زمان در مخزن چندلایه کامپوزیتی کروی تحت فشار داخلی، پانزدهمین کنفرانس بین المللی انجمن هوافضای ایران، ۱ - تهران، ۲۰۱۶، ۲۳ ۰۲ .
12. Abolfazl Vaheb, Parametric Analysis of Composite Wind Turbine Blades: An Aerodynamic Perspective, 27 05 2020, تهران, 1 - بیست و هشتمین همایش سالانه بین المللی مهندسی مکانیک ایران, 1 - تهران, 27 05 2020.
13. بیست و هشتمین همایش سالانه بین المللی مهندسی مکانیک, A computational method to assess the impact of stacking sequence on the cured shape of laminated hybrid polymeric structures, صهبا روح الهی, 1 - تهران, 27 05 2020.
14. mohammad meskini, Vibration studies of rotating functionally graded circular cylindrical shells based on Love's shell theory, The 27th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2019, 1 - 30 04 2019, تهران.
15. seyedeh Sara Amirahmadi, masoud mohammadi, Study on Simultaneous Effects of MWCNTs and Cooling Conditions on the Thermal Residual Stresses of Composite Pipes, The 27th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2019, 1 - 30 04 2019, تهران.
16. Buckling Analysis of Fiber Metal Laminated Circular Cylindrical Shells Reinforced by CNTs, The 27th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2019, 1 - 30 04 2019, تهران.
17. Investigation of the effects of cooling temperature on the residual stresses of CFRP composite cylinders, The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6), 1 - 11 12 2018, تهران.
18. The role of thermal fatigue and open hole on the tensile performance of polymeric composites, The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6), 1 - 11 12 2018, تهران.
19. Curvature changes and weight loss of GFRP composites under thermal fatigue, The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6), 1 - 11 12 2018, تهران.
20. Influence of Magnetic Field in Creep Behavior of Three-phase Composite Cylinder, The 26th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2018, 1 - 24 04 2018, سمنان.
21. Masood Mohandes, The effects of uniformly distributed carbon nanotubes and rotation on the frequencies of fiber metal laminated cylindrical shells, The 26th Annual International Conference of Iranian Society of Mechanical Engineers-ISME2018, 1 - 24 04 2018, سمنان.
22. Buckling Optimization of Grid Stiffened Composite Shell under External Hydrostatic Pressure, International Conference on Experimental Solid Mechanics (X-Mech 2016), 1 - 16 02 2016, تهران.
23. Ahmad Reza Ghasemi, & Ali Tabatabaeian, Curvature changes and weight loss of GFRP composites under thermal fatigue, The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6), 2018.
24. Ahmad Reza Ghasemi, Ali Tabatabaeian, M. Moradi, The role of thermal fatigue and open hole on the tensile performance of polymeric composites, The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6), Tehran, 2018.

25. Ahmad Reza Ghasemi , Behzad Asghari , Ali Tabatabaeian ,Investigation of the effects of cooling temperature on the residual stresses of CFRP composite cylinders ,The 6th International Conference on Composites: Characterization, Fabrication and Application (CCFA-6) ,Tehran ,2018.

Papers in Journals

1. Ahmad Reza Ghasemi, Komeil Hosseinpour, Thermo-magneto-mechanical long-term creep behavior of three-phase nano-composite cylinder, *Composites Science and Technology*, Vol. 167, pp. 71-78, 2018.
2. Masood Mohandes, Ahmad Reza Ghasemi, A new approach to reinforce the fiber of nanocomposite reinforced by CNTs to analyze free vibration of hybrid laminated cylindrical shell using beam modal function method, *European Journal of Mechanics-A/Solids*, No. 73, pp. 224-234, 2019.
3. AR Ghasemi, A Tabatabaeian, M Moradi, Residual stress and failure analyses of polymer matrix composites considering thermal cycling and temperature effects based on classical laminate plate theory, *Journal of Composite Materials*, 2018, ISI.
4. Ahmad Reza Ghasemi, Mohammad Mohammadi Fesharaki, Effect of carbon nanotube on cured shape of cross-ply polymer matrix nanocomposite laminates: analytical and experimental study, *Iranian Polymer Journal*, Vol. 27, No. 12, pp. 965-977, 2018.
5. Ahmad Reza Ghasemi, Komeil Hosseinpour, Creep strain and stress analysis in laminated composite pressure vessels, *Mechanics of Advanced Composite Structures*, Vol. 5, No. 2, pp. 141-147, 2018.
6. Nayyereh Shabani, Masood Hamadani, Ahmad Reza Ghasemi, Marzieh Sarafrazi, Physicochemical and Mechanical Properties of Epoxy/Polyurethane/Nickel Manganite Nanocomposite: A Response Surface Methodology/Central Composite Designs Study, *Journal of Inorganic and Organometallic Polymers and Materials*, Vol. 28, No. 6, pp. 2689-2700, 2018.
7. AR Ghasemi, M Moradi, Failure analysis of the Nol-ring polymer matrix composites under thermal cycling., *Polymer Composites*, Vol. 39, No. 9, pp. 3140-3146, 2018.
8. Ghasemi, A. R. , Hamadani, M. , Sarafrazi, M. , Najafidoust, A, Molecular dynamics simulation and thermo-mechanical characterization for optimization of three-phase epoxy/TiO₂/SiO₂ nano-composites, *Polymer Testing*, 2021.
9. Ahmad Reza Ghasemi, Komeil Hosseinpour, The SWCNTs roles in stress/strain distribution of three-phase multilayered nanocomposite cylinder under combined internal pressure and thermo-mechanical loading, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Vol. 40, No. 8, pp. 391-399, 2018.
10. Tabatabaeian, A. , Lotfi, M. , Ghasemi, A. R. , & Roohollahi, S., Development of a new analytical framework for deflection analysis of un-symmetric hybrid FRP laminates with arbitrary ply arrangement and MWCNT reinforcement, *Engineering Structures*, 2021.
11. Ahmad Reza Ghasemi, Masood Mohandes, Free vibration analysis of micro and nano fiber-metal laminates circular cylindrical shells based on modified couple stress theory, *Mechanics of Advanced Materials and Structures*, 2018.
12. Sarafrazi, M. , Ghasemi, A. R. , Hamadani, M., A Semi-analytical and experimental approach using molecular dynamic simulation for thermo-mechanical properties of surface functionalized epoxy/polyurethane/ MWCNT/ ZnMoO₄ nano-composites, *Fibers and Polymers*, 2021.
13. Ahmad Reza Ghasemi, Komeil Hosseinpour, Masood Mohandes, Modeling creep behavior of carbon nanotube/fiber/polymer composite cylinders, *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems*, 2018.
14. احمدرضا قاسمی, علی طباطبائی, مهدی مرادی, A new insight into impact of thermal cycling on the un-notched and circular hole polymeric composite rings via naval ordnance laboratory-ring test, *J COMPOS MATER*, Vol. 54, pp. 3287, 2020 09 01, SCOPUS ,JCR.
15. Ahmad Reza Ghasemi, Masood Mohandes, Comparison between the frequencies of FML and composite cylindrical shells using beam modal function model, *Journal of Computational Applied Mechanics*, 2018.

16. سیده سارا امیراحمدی,احمدرضا قاسمی, Experimental investigation of cooling conditions, MWCNTs and mandrel diameter effects on the thermal residual stresses of multi-layered filament-wound composite pipes, J COMPOS MATER, 2020 06 30, SCOPUS ,JCR.
17. Ahmad Reza Ghasemi, Mohammad Hadi Hajmohammad, Mass and buckling criterion optimization of stiffened carbon/epoxy composite cylinder under external hydrostatic pressure, Latin American Journal of Solids and Structures, Vol. 5, No. 1, 2018.
18. مرضیه سرافرازی,احمدرضا قاسمی,مسعود همدانیان, Synergistic effect between CuCr2O4 nanoparticles and plasticizer on mechanical properties of EP/PU/CuCr2O4 nanocomposites: Experimental approach and molecular dynamics simulation, J APPL POLYM SCI, Vol. 137, pp. 1, 2020 06 04, SCOPUS ,JCR.
19. Masood Mohandes, Ahmad Reza Ghasemi, Modified couple stress theory and finite strain assumption for nonlinear free vibration and bending of micro/nanolaminated composite Euler–Bernoulli beam under thermal loading, Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, Vol. 231, No. 21, pp. 4044-4056, 2017.
20. احمدرضا قاسمی, بهزاد اصغری, علی طباطبائیان, Determination of the influence of thermo-mechanical factors on the residual stresses of cylindrical composite tubes: Experimental and computational analyses, INT J PRES VES PIP, Vol. 183, pp. 1, 2020 06 01, SCOPUS ,JCR.
21. Ahmad Reza Ghasemi, Mahdi Moradi, Open-Hole Size and Thermal Cycling Effect on Mass loss and Surface Degradation of Polymer Matrix Composites, Mechanics of Advanced Composite Structures, Vol. 4, No. 2, pp. 111-116, 2017.
22. محمد مسکینی کارمزدی, احمدرضا قاسمی, Electro-magnetic potential effects on free vibration of rotating circular cylindrical shells of functionally graded materials with laminated composite core and piezo electro-magnetic two face sheets, J SANDW STRUCT MATER, 2020 03 19, SCOPUS ,JCR.
23. M Heidari, & Rarani, AR Ghasemi, Appropriate shape of cohesive zone model for delamination propagation in ENF specimens with R-curve effects, Theoretical and Applied Fracture Mechanics, Vol. 90, pp. 174-181, 2017.
24. محمد هادی حاج محمد, علی طباطبائیان, احمدرضا قاسمی, فتح ا... طاهری بهروز, A novel detailed analytical approach for determining the optimal design of FRP pressure vessels subjected to hydrostatic loading: Analytical model with experimental validation, COMPOS PART B-ENG, Vol. 183, pp. 1, 2020 03 15, SCOPUS ,JCR.
25. Ahmad Reza Ghasemi, Masood Mohandes, Free vibration analysis of rotating fiber–metal laminate circular cylindrical shells, Journal of Sandwich Structures & Materials, 2017.
26. احمدرضا قاسمی, مهدی سلیمانی نجف ابادی, Effects of carbon nanotubes distribution on the buckling of carbon nanotubes/fiber/polymer/ metal hybrid laminates cylindrical shell, J SANDW STRUCT MATER, 2020 03 04, SCOPUS ,JCR.
27. Ahmad Reza Ghasemi, Mohammad Mohammadi Fesharaki, Masood Mohandes, Three-phase micromechanical analysis of residual stresses in reinforced fiber by carbon nanotubes, Journal of Composite Materials, Vol. 51, No. 12, pp. 1783-1794, 2017.
28. علی طباطبائیان, احمدرضا قاسمی, The impact of MWCNT modification on the structural performance of polymeric composite profiles, POLYM BULL, 2020 01 01, SCOPUS ,JCR.
29. Ghasemi, A. R. , Kiani, S. , Tabatabaeian, A., Buckling analysis of FML cylindrical shells under combined axial and torsional loading, Mechanics of Advanced Composite Structures, 2020.
30. مسعود مهندس, احمدرضا قاسمی, Discrepancies Between Free Vibration of FML and Composite Cylindrical Shells Reinforced by CNTs, Mechanics of Advanced Composite Structures, Vol. 6, pp. 105, 2019 11 24, SCOPUS ,ISC.
31. نیره شبانی ارمکی, احمدرضا قاسمی, مسعود همدانیان, Ultrasonic-assisted rapid preparation of three-phase nanocomposites: The effects of zinc manganite nanoparticles and polyurethane on the thermomechanical, physicochemical, and antibacterial properties of polymer matrix composites, J ELASTOM PLAST, 2019 10 24, SCOPUS ,JCR.
32. علی طباطبائیان, احمدرضا قاسمی, بهزاد اصغری, Specification of non-uniform residual stresses and tensile characteristic in laminated composite materials exposed to simulated space environment, POLYM

TEST, Vol. 80, pp. 1, 2019 10 09, SCOPUS, JCR.

33. احمدرضا قاسمی, محمد مسکینی کارمزدی, Free vibration analysis of porous laminated rotating circular cylindrical shells, J VIB CONTROL, Vol. 25, pp. 2494, 2019 09 15, SCOPUS, JCR.

34. محمد برهانی, علی طباطبائی, سعید امینی, احمدرضا قاسمی, Parametric analysis of delamination in GFRP composite profiles by performing rotary ultrasonic drilling approach: Experimental and statistical study, COMPOS PART B-ENG, Vol. 172, pp. 612, 2019 09 01, SCOPUS, JCR.

35. احمدرضا قاسمی, علی طباطبائی, مهدی مرادی, Residual stress and failure analyses of polymer matrix composites considering thermal cycling and temperature effects based on classical laminate plate theory, J COMPOS MATER, Vol. 53, pp. 3021, 2019 09 01, SCOPUS, JCR.

36. مهدی اشرفی, احمدرضا قاسمی, مسعود همدانیان, Optimization of thermo-mechanical and antibacterial properties of epoxy/ polyethylene glycol/MWCNTs nano-composites using response surface methodology and investigation thermal cycling fatigue, POLYM TEST, Vol. 78, pp. 105946, 2019 09 01, SCOPUS, JCR.

37. مرضیه سرافرازی, مسعود همدانیان, احمدرضا قاسمی, Optimize epoxy matrix with RSM/CCD method and influence of multi-wall carbon nanotube on mechanical properties of epoxy/polyurethane, MECH MATER, Vol. 138, pp. 103154, 2019 08 27, SCOPUS, JCR.

38. محمد برهانی, علی طباطبائی, احمدرضا قاسمی, سعید امینی, بهبود کیفیت ماشینکاری کامپوزیتهای زمینپلیمری تقویتشده با ذرات نانولوله کربنی تحت شرایط خستگی حرارتی, مهندسی مکانیک مدرس, مجلد ۲۰, شماره صفحات ۱۷۳۱, ۱۳۹۹/۰۴/۳۰, ISC.

39. احمدرضا قاسمی, مجتبی قاسمی, تحلیل تنش های بین لایه ای در تیرهای کامپوزیتی بر روی بستر الاستیک با استفاده از فنرهای افقی و عمودی, مجله مهندسی مکانیک دانشگاه تبریز, مجلد ۴۸, شماره صفحات ۲۲۹, ۱۳۹۷/۱۲/۲۵, ISC.

40. احمدرضا قاسمی, سیده سارا امیراحمدی, بهزاد اصغری, محمدرضا ساربان, محاسبه تنش های پسماند به وسیله اندازه گیری کرنش های رهاسده با استفاده از تقریب های متفاوت خطی و غیرخطی, مهندسی مکانیک مدرس, مجلد ۱۹, شماره صفحات ۶۰۹, ۱۳۹۷/۱۲/۱۰, ISC.

41. احمدرضا قاسمی, حامد خبازکاشانی, تحلیل اثرات سوراخ دایره ای و سیکل حرارتی روی خواص مکانیکی در چندلایه های کامپوزیتی پایه پلیمری تقویت شده با ذرات نانو, مهندسی مکانیک مدرس, مجلد ۱۹, شماره صفحات ۲۲۹, ۱۳۹۷/۱۰/۱۵, ISC.

42. احمدرضا قاسمی, کمیل حسین پور, اثرات دما و زاویه الیاف در توزیع تنش و کرنش خزشی بلندمدت در استوانه کامپوزیتی چندلایه با الیاف تکجهته, نشریه علمی پژوهشی علوم و فناوری کامپوزیت, مجلد ۳, شماره صفحات ۲۳۳, ۱۳۹۵/۰۸/۲۱, ISC, SID.

43. احمدرضا قاسمی, حمید ربیعیان, حسین نجات بخش, امین قرایی, Parametric Analysis of Position and Direction of Laminated Composite C-Spar on Aeroelastic Flutter in Aircraft Tail, Mechanics of Advanced Composite Structures, Vol. 11, pp. 351, 2024 11 01, SCOPUS.

44. محمد مسکینی کارمزدی, احمدرضا قاسمی, Free vibration analysis of laminated cylindrical adhesive joints with conical composite shell adherends, JVC/Journal of Vibration and Control, Vol. 29, pp. 3475, 2023 08 01, SCOPUS, JCR.

45. سعیدرضا قاسمی, Evaluation of the Influence of Axial Loading on the Lateral Buckling Resistance of Tapered Laminated Composite I-Section Beam-Columns, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, 2023 07 27, SCOPUS, ISC, JCR.

46. مهسا سهیل شمائی, احمدرضا قاسمی, Minimal Mass and Maximal Buckling Load of Composite Hexagonal-Triangle Grid Structure using FSDT under External Hydrostatic Pressure, Mechanics of Advanced Composite Structures (MACS), Vol. 10, pp. 309, 2023 06 11, SCOPUS, ISC, JCR.

47. مهسا سهیل شمائی, احمدرضا قاسمی, Minimal Mass and Maximal Buckling Load of Composite Hexagonal-Triangle Grid Structure using FSDT under External Hydrostatic Pressure, Mechanics of Advanced Composite Structures (MACS), Vol. 10, pp. 309, 2023 01 11, SCOPUS, ISC.

48. علی تابتاباعیان, احمدرضا قاسمی, محمد حیدری رارانی, بیژن حیدری شیبانی, Free transverse vibration analysis of laminated composite beams with arbitrary number of concentrated masses, ARCH APPL MECH, Vol. 91, pp. 2393, 2021 06 01, SCOPUS, JCR.

49. علی طباطبائی, بهزاد اصغری, Application of slitting method to characterize the effects of

- thermal fatigue, lay-up arrangement and MWCNTs on the residual stresses of laminated composites, MECH MATER, Vol. 134, pp. 185, 2019 07 19, SCOPUS, JCR.
50. بهزاد اصغری, احمد رضا قاسمی, علی طباطبائی, On the optimal design of manufacturing-induced residual stresses in filament wound carbon fiber composite cylindrical shells reinforced with carbon nanotubes, COMPOS SCI TECHNOL, Vol. 182, pp. 107743, 2019 07 16, SCOPUS, JCR.
51. کامیل حسین پور, احمد رضا قاسمی, Agglomeration and aspect ratio effects on the long-term creep of carbon nanotubes/fiber/ polymer composite cylindrical shells, J SANDW STRUCT MATER, 2019 06 19, SCOPUS, JCR.
52. احمد رضا قاسمی, مسعود مهندس, Rossana Dimitri, Francesco Tornabene, Agglomeration effects on the vibrations of CNTs/fiber/polymer/metal hybrid laminates cylindrical shell, COMPOS PART B-ENG, Vol. 167, pp. 700, 2019 06 15, SCOPUS, JCR.
53. سیده سارا امیر احمدی, احمد رضا قاسمی, مسعود محمدی, Evaluation of thermal residual stresses of thin-walled laminated composite pipes to characterize the effects of mandrel materials and addition MWCNTs, MECH MATER, Vol. 136, pp. 103083, 2019 06 11, SCOPUS, JCR.
54. علی طباطبائی, محمد براهنی, سعید امینی, احمد رضا قاسمی, Environmental, mechanical and materialistic effects on delamination damage of glass fiber composites: Analysis and optimization, J COMPOS MATER, Vol. 53, pp. 3671, 2019 04 23, SCOPUS, JCR.
55. علی طباطبائی, احمد رضا قاسمی, Curvature changes and weight loss of polymeric nano-composite plates with consideration of the thermal cycle fatigue effects and different resin types: An experimental approach, MECH MATER, Vol. 131, pp. 69, 2019 04 16, SCOPUS, JCR.
56. احمد رضا قاسمی, محمد مسکینی کارمزدی, Investigations on dynamic analysis and free vibration of FGMs rotating circular cylindrical shells, SN Applied Sciences, Vol. 1, pp. 301, 2019 04 16, ISI-Listed.
57. احمد رضا قاسمی, مسعود مهندس, A new approach for determination of interlaminar normal/shear stresses in micro and nano laminated composite beams, ADV STRUCT ENG, Vol. 22, pp. 2334, 2019 04 03, SCOPUS, JCR.
58. کامیل حسین پور, احمد رضا قاسمی, Effects of Magnetic Field in Creep Behavior of Three-Phase Laminated Composite Cylindrical Shells, Mechanics of Advanced Composite Structures, Vol. 6, pp. 51, 2019 03 03, SCOPUS, ISC.
59. مهدی اشرفی, مسعود همدانیان, احمد رضا قاسمی, فرشته جوکار کاشی, Improvement Mechanical and Antibacterial Properties of Epoxy by Polyethylene Glycol and Ag/CuO Nanoparticles, POLYM COMPOSITE, Vol. 9, pp. 1, 2019 02 26, SCOPUS, JCR.
60. احمد رضا قاسمی, محمد محمدی فشارکی, Influence of different parameters on cured shapes and residual stresses of unsymmetric composite laminate reinforced by multi-wall carbon nanotubes, POLYM BULL, 2019 01 14, SCOPUS, JCR.
61. احمد رضا قاسمی, کامیل حسین پور, Creep Strain and Stress Analysis in Laminated Composite Pressure Vessels, Mechanics of Advanced Composite Structures, Vol. 5, pp. 141, 2018 12 31, SCOPUS, ISC.
62. احمد رضا قاسمی, محمد محمدی فشارکی, Effect of carbon nanotube on cured shape of cross-ply polymer matrix nanocomposite laminates: analytical and experimental study, IRAN POLYM J, Vol. 27, pp. 965, 2018 10 30, SCOPUS, ISC, JCR.
63. احمد رضا قاسمی, محمد هادی حاج محمد, Mass and buckling criterion optimization of stiffened carbon/epoxy composite cylinder under external hydrostatic pressure, LAT AM J SOLIDS STRU, Vol. 15, pp. 1, 2018 04 11, ISI, SCOPUS.
64. احمد رضا قاسمی, کامیل حسین پور, مسعود مهندس, Modeling creep behavior of carbon nanotube/fiber/polymer composite cylinders, Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2018, SCOPUS.
65. احمد رضا قاسمی, مسعود مهندس, Finite strain analysis of nonlinear vibrations of symmetric laminated composite Timoshenko beams using generalized differential quadrature method, Journal of Vibration and Control, Vol. 22, pp. 940, 2016 03 02, SCOPUS, JCR.
66. احمد رضا قاسمی, فتح الله طاهری بهروز, سید مصطفی نوده فراهانی, مسعود مهندس, Nonlinear free vibration of an Euler-Bernoulli composite beam undergoing finite strain subjected to different boundary

- conditions, *JVC/Journal of Vibration and Control*, Vol. 22, pp. 799, 2016 02 02, SCOPUS, JCR.
67. احمدرضا قاسمی, مسعود مهندس, Comparison between free vibration of laminated composite beams based on finite strain and von Karman assumptions, *Mechanics of Advanced Composite Structures*, Vol. 1, pp. 113, 2014 12 11, SID.
68. نییره شبانی ارمکی, مسعود همدانیان, احمدرضا قاسمی, مرضیه سرافرازی, Physicochemical and Mechanical Properties of Epoxy/Polyurethane/ Nickel Manganite Nanocomposite: A Response Surface Methodology/ Central Composite Designs Study, *J INORG ORGANOMET P*, 0000 00 11, ISI, SCOPUS.
69. احمدرضا قاسمی, مسعود مهندس, Free vibration analysis of micro and nano fiber metal laminates circular cylindrical shells based on modified couple stress theory, *MECH ADV MATER STRUC*, 0000 00 11, ISI, SCOPUS.
70. Ghasemi, A. R. , Mohammadi , Fesharaki M , Mohandes M, Three-phase micromechanical analysis of residual stresses in reinforced fiber by carbon nanotubes., *Journal of Composite Materials*, 2017.
71. Ghasemi, A. R. , & Moradi, M, Failure analysis of the Nol-ring polymer matrix composites under thermal cycling., *Polymer Composites*, 2017.
72. Ghasemi, A. R. , & Moradi, M, Effect of thermal cycling and open-hole size on mechanical properties of polymer matrix composites., *Polymer Testing*, 2017.
73. Ghasemi, A. R. , & Mohandes, M, Free vibration analysis of rotating fiber-metal laminate circular cylindrical shells., *Journal of Sandwich Structures & Materials*, 2017.
74. Heidari , Rarani, M. , Ghasemi, A. R, Appropriate shape of cohesive zone model for delamination propagation in ENF specimens with R-curve effects., *Theoretical and Applied Fracture Mechanics*, 2017.
75. M. A. Moazam , Ghasemi, A. R. , Honarpisheh, M, Appropriate shape of cohesive zone model for delamination propagation in ENF specimens with R-curve effects., *Tarbiat Modares University*, 2017.
76. Mohandes, M. et al., Development of beam modal function for free vibration analysis of FML circular cylindrical shells., *Journal of Vibration and Control*, 2017.
77. Ghasemi, A. R. , & Moradi, M, Surface Degradation of Polymer Matrix Composites Under Different Low Thermal Cycling Conditions., *Journal of Solid Mechanics*, 2017.
78. Ghasemi, A. R. , & Mohammadi Fesharaki, M. M., Development of circular disk model for polymeric nanocomposites and micromechanical analysis of residual stresses in reinforced fibers with carbon nanotubes, *Journal of Computational Methods in Engineering (JCME)*, 2017.
79. Ghasemi, A. R. , & Mohammadi Fesharaki, M. M, Distribution of residual stresses in polymer reinforced carbon nanotubes and laminated carbon fibers, *Mechanics of Advanced Composite Structures*, 2017.
80. Ghasemi, A. R. , & Mohandes, M., Nonlinear free vibration of laminated composite Euler-beams based on finite strain using GDQM, *Mechanics of Advanced Materials and Structures*, 2017.
81. Ghasemi, A. R. , & Hajmohammad, M. H, Multi-objective optimization of laminated composite shells for minimum mass/cost and maximum buckling pressure with failure criteria under external hydrostatic pressure, *Structural and Multidisciplinary Optimization*, 2017.
82. Ghasemi, A. R. , & Hosseinpour, K., The effects of fiber angle and temperature on the distribution of long-term stress and creep strain for unidirectional multilayer composite cylinder, *Journal of Science and Technology of Composites*, 2016.
83. Ghasemi, A. R. , & Mohammadi, M. M., Residual stress measurement of fiber metal laminates using incremental hole-drilling technique in consideration of the integral method, *International Journal of Mechanical Sciences*, 2016.
84. Ghasemi, A. R. , & Moradi, M., Low thermal cycling effects on mechanical properties of laminated composite materials, *Mechanics of Materials* 96, 2016.
85. Ghasemi, A. R. , & Mohandes, M, Modified couple stress theory and finite strain assumption for nonlinear free vibration and bending of micro/nanolaminated composite Euler-Bernoulli beam under thermal loading, *Journal of Mechanical Engineering Science*, 2016.
86. Ghasemi, A. R. , & Mohammadi Fesharaki M, Three-dimensional residual stresses analysis of nanocomposite polymeric matrix based on fiber reinforced carbon nanotubes, *Journal of the Science*

and Technology of Composites,2016.

87. Ghasemi, A. R. ,& Mohandes, M,The effect of finite strain on the nonlinear free vibration of a unidirectional composite Timoshenko beam using GDQM,Advances in Aircraft and Spacecraft Science,2016.
88. Ghasemi, A. R. ,& Moradi, M,Surface Degradation of Polymer Matrix Composites under Different Low Thermal Cycling Conditions,Journal of Solid Mechanics,2016.
89. Ghasemi, A. R. ,& Mohandes, M,Size dependent bending of nonlinear geometrically of micro laminated composite beam based on modified couple stress theory,Mechanics of Advanced Composite Structures³,2016.
90. Mohandes, M. ,& Ghasemi, A. R,Finite strain analysis of nonlinear vibrations of symmetric laminated composite Timoshenko beams using generalized differential quadrature method,Journal of Vibration and Control,2016.
91. Nonlinear free vibration of an Euler-Bernoulli composite beam undergoing finite strain subjected to different boundary conditions,Journal of Vibration and Control,2016.
92. Ghasemi, A. R. , Mohammadi, M. M. , Mohandes, M,The Role of Carbon Nanofibers on Thermo-Mechanical Properties of Polymer Matrix Composites and Their Effect on Reduction of Residual Stresses,Journal of Composites Part B: Engineering,2015.
93. Ghasemi, A. R. ,& Mohammadi, M. M,Applications of the Incremental Hole-Drilling Method for Measurement of Non-uniform Residual Stresses in Fiber Metal Laminates,Modares Mechanical Engineering,2015.
94. Ghasemi, A. R. ,& Hajmohammad, M. H,Evaluation of Buckling and Post Buckling of Variable Thickness Shell subjected to External Hydrostatic Pressure,Journal of Solid Mechanics,2015.
95. Ghasemi, A. R. ,& Tarighat, M. H,Aeroelastic Analysis of Composite Wind Turbines Blades,Journal of Mechanical Engineering,2015.
96. Ghasemi, A. R. ,& Hajmohammad, M. H,Optimization of Fiber Metal Laminate Stacking Sequences Using Response Surface Method and Genetic Algorithm Subjected to Explosion Loading,Journal of Energetic Materials,2015.
97. Ghasemi, A. R. ,& Mohammadi, M. M,Calculation of Calibration Factors for Determination of Residual Stresses in Fiber Metal Laminates Using Incremental Hole-Drilling Method,Journal of the Science and Technology of Composites,2014.
98. Ghasemi, A. R. , Mohammadi, M. M , Moradi, M,Investigation of Mechanical and Thermal Properties of Polymer Composites Reinforced by Multi-Walled Carbon Nanotube for Reduction of Residual Stresses,Iranian Journal of Polymer Science and Technology,2014.
99. Ghasemi, A. R. , Taheri_behrooz, F. , Shokrieh, M. M,Determination of non-uniform residual stresses in laminated composites using integral hole drilling method: Experimental evaluation,Journal of Composite Materials,2014.
100. Ghasemi, A. R. , Kazemian, A. , Moradi, M,Analytical and Numerical Investigation of FGM Pressure Vessel Reinforced by Laminated Composite Materials,Journal of Solid Mechanics,2014.
101. Ghasemi, A. R. , Vaziri, A.B. , Mohammadi F. M,Numerical Analysis of Hydrodynamic Pressure Effect on High Speed Composite Vessel and Optimization of Structure,International Journal of Maritime Technology,2014.
102. Ghasemi, A. R. , Jahanshir, A. , Tarighat, M. H,Numerical and Analytical Study of Aeroelastic Characteristics of Wind Turbine Composite Blades,International journal of Wind and Structures,2014.
103. Ghasemi, A. R. , Torabi, K. , Heidari , Shibani, B,Analytical solution for transverse vibration of a composite Euler- Bernoulli beam including several concentrated masses,Journal of Computational Methods in Engineering,2014.
104. Ghasemi, A. R. ,& Razavian I,Measurement of Variation in Fracture Strength and Calculation of Stress Concentration Factor in Composite Laminates with Circular Hole,Journal of Solid Mechanics,2012.
105. Shokrieh, M. M. ,& Ghasemi A. R,Simulation of Central Hole Drilling Process for Measurement of

Residual Stresses in Isotropic, Orthotropic, and Laminated Composite Plates, *Journal of Composite Materials*, 2007.

106. Shokrieh, M. M. ,& Ghasemi A. R, Determination of Calibration Factors of the Hole Drilling Method for Orthotropic Composites using an Exact Solution, *Journal of Composite Materials*, 2007.

107. Ghasemi, A. R. ,& Hajmohammad, M.H, Optimization of Stacking Sequence for Buckling Load Using the Response Surface Method and Genetic Algorithms in Laminated Composite Materials, *Journal of Computational Methods in Engineering*, 1391.

108. Ghasemi, A. R. ,& Baghersad, R, Analytical and Experimental Studies of Cyclic Thermal Shock Effects on Nonlinear Behavior of Composite Laminates, *Journal of Aeronautical Engineering*, 1391.

109. Ghasemi, A. R. , Baghersad, R. , Vaziri Sereshk, M.R, Non-linear Behavior of Polymer Based Composite Laminates under Cyclic Thermal Shock and Its Effects on Residual Stresses, *Journal of Polymer Science and Technology*, 1391.

110. Ghasemi, A. R. ,& Mashhadi. H. A, Analytical and Numerical Determination of Residual Stresses in Thick Composite Laminated Plates, *International Journal of Advanced Design and Manufacturing Technology*, 1390.

111. Ghasemi, A. R. ,& Karimi, A.H, Analytical and Numerical Studies of the Effect of Impact Forces on Polymer/Clay Nanocomposites, *Journal of Polymer Science and Technology*, 1389.

112. Ghasemi, A. R. ,& Yasami, A, Effect of Residual Thermal Stresses in Curing Process on the Deformation of Flat and Cylindrical Composite Laminates, *Journal of Polymer Science and Technology*, 1388.

113. Ghasemi, A. R. ,& Shokrieh, M. M, Residual Strains Measurement and Calculating Residual Stresses in Composite Laminates Using the Integral Method, *Journal of Computational Methods in Engineering*, 1388.

114. Ghasemi, A. R. ,& Shokrieh, M. M, Development of an Integral Method for Determination of Non-uniform Residual Stresses in Laminated Composites, *Journal of Polymer Science and Technology*, 1387.

115. Shokrieh, M. M. ,& Ghasemi, A. R, Effects of Free Edge Interlaminar Shear Stress on the Residual Stresses of Polymer Composites Using Hole Drilling Method, *Journal of Polymer Science and Technology*, 1386.

116. Shokrieh, M. M. ,& Ghasemi, A. R, Simulation of Central Hole Drilling Process for Determining the Residual Stresses in Isotropic Materials, *International Journal of Engineering Science*, 1385.