Ahmadreza Ghasemi

Professor

College: Faculty of Mechanical Engineering

Department: Mechanical Engineering - Solid Design

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 ۰۵ 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 بین المللی مهندسی مکانیک،۱ - سمنان،۲۰۱۸ ۰۴ ۲۴ .
3. تقویت شده T][احمدرضا قاسمی,مهدی محمدی فشارکی،مطالعه و کاهش انحناء در کامپوزیت¬های لایه¬ای [۰۲/۹۰۲ با نانولوله¬های کربنی،اولین کنفرانس بین المللی فنآوریهای نوین در علوم،۱ - آمل،۲۰۱۷ ۰۹ ۰۷ .
4. احمدرضا قاسمی,مجتبی خلیلی,اکبر طهمورثی،مطالعه اثرات تمرکز تنش ابعاد هندسی سوراخ، چیدمان و جنس بر روی چند لایه های کامپوزیتی با هندسه حلقوی،۲۵ امین کنفرانس سالانه بین المللی مهندسی مکانیک ایران،۱ - تهران،۲۰۱۷ ۰۵ 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 لایه های کامپوزیتی،۲۵ امین کنفرانس سالانه بین المللی مهندسی مکانیک ایران،۱ - تهران،۲۰۱۷ ۰۵ ۰۲ .
6. احمدرضا قاسمی,مجتبی قاسمی،تحلیل تنش‌های بین‌لایه‌ای در تیرهای کامپوزیتی گیردار- آزاد بر روی بستر الاستیک،شانزدهمین کنفرانس بین المللی انجمن هوافضای ایران،۱ - تهران،۲۰۱۷ ۰۲ ۲۱ .

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 مکاترونیک،۱ - تهران،۲۰۱۷ ۰۲ ۱۷ .
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 ۰۸ ۲۳ .
9. احمدرضا قاسمی,محمد محمدی فشارکی،مطالعه تنشهای پسماند الیاف کربنی تقویت شده به روش الکتروفورز در یزد،۲۰۱۶ - ۱،ISME۲۰۱۶،کامپوزیتهای پایه پلیمری،بیست و چهارمین همایش سالانه بین¬المللی مهندسی مکانیک ایران ۰۴ ۲۶ .
10. احمدرضا قاسمی,کمیل حسین پور،توزیع کرنش خزشی بلندمدت در جداره استوانه کامپوزیتی چندلایه با الیاف تک جهته،بیست و چهارمین همایش سالانه بین¬المللی مهندسی مکانیک ایران،۱ - یزد،۲۰۱۶ ۰۴ ۲۶ .
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 ۰۲ ۲۳ .
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13. صهبا روح اللهی, ,A computational method to assess the impact of stacking sequence on the cured shape of laminated hybrid polymeric structures ,بیست و هشتمین همایش سالانه بین‌المللی مهندسی مکانیک ایران ,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 .
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16. احمدرضا قاسمی,مهدی سلیمانی نجف ابادی ,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. احمدرضا قاسمی,بهزاد اصغری,علی طباطبائیان ,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 .
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20. احمدرضا قاسمی,کمیل حسین پور ,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 .
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22. احمدرضا قاسمی,محمدهادی حاج محمد,احسان غفاری جونقانی ,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.
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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 Hamadanian, 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.
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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.
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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.
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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.
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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. محمدهادی 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.
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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.
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