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## Papers in Conferences

1. سعید رحمانیان، بهبود بازدهی سلول های خورشیدی فتوولتائیک با استفاده از نانوذرات و مواد تغییر فاز. دهنده، چهارمین کنگره ملی مهندسی مکانیک و مهندسی شیمی، ۱۳۹۷.
2. سعید رحمانیان، صدیقه فهندزسعدی، بررسی شکست اتصالات کامپوزیتی پیچ شده، دومین کنفرانس کاربرد کامپوزیت در صنایع ایران، ۱۳۹۹.
3. سعید رحمانیان، سعید گلستان، شبیه سازی ضربه با سرعت بالا به ورق فلز-کامپوزیت و مقایسه با ورق کامپوزیت، دومین کنفرانس کاربرد کامپوزیت در صنایع ایران، ۱۳۹۹.
4. سعید رحمانیان، نادیا معتقدیان، الهه رحمانفر، بررسی ضرایب شدت تنفس مد ترکیبی و رشد ترک در صفحه سوراخ دار مرکب، بیست و هشتمین کنفرانس سالانه بین المللی انجمن مهندسان مکانیک ایران، ۱۳۹۹.
5. سعید رحمانیان، محمدامین منتظری، نادیا معتقدیان، الهه رحمانفر، بررسی استحکام و شکست اتصالات چسبی شیشه/فولاد با استفاده از مدل المان چسبنده، بیست و هشتمین کنفرانس سالانه بین المللی انجمن مهندسان مکانیک ایران، ۱۳۹۹.
6. سعید رحمانیان، بررسی عیوب نانومتری برخواص مکانیکی گرافن، دومین کنفرانس ملی رویکردهای نوین در مهندسی مکانیک، ۱۳۹۶.

## Papers in Journals

1. S Rahmanian.Novel HDPE/ZnO nanocomposites for medical applications: preparation, impact strength and antibacterial activity characterization.Modares Mechanical Engineering, ۲۰۲۱.
2. Saeed Rahmnian, Amin Shahsavar, Hossein Rahmnian ,& Koushkaki, Milad Setareh, Moshlem Araghi,Numerical feasibility study of improving the melting performance of horizontal and vertical double-pipe latent heat storage systems using ultrasonic field,Journal of Energy Storage,2023/9/1.
3. M Moein , Jahromi, H Rahmnian , Koushkaki, S Rahmnian, S Pilban Jahromi,Evaluation of nanostructured GNP and CuO compositions in PCM-based heat sinks for photovoltaic systems,Journal of Energy Storage,2022/9/1.
4. S Rahmnian, H Rahmnian ,& Koushkaki, P Omidvar, A Shahsavar,Nanofluid-PCM heat sink for building integrated concentrated photovoltaic with thermal energy storage and recovery capability,Sustainable Energy Technologies and Assessments,2021.
5. M Moein و Jahromi, S Rahmnian, S Barzegarloo Kohi.Investigation of heat absorber geometry effect using nanofluid and Microencapsulated'PCM on the photovoltaic-thermal (PV/T) panel performance.Journal of Mechanical Engineering, ۲۰۲۱.
6. S Rahmnian, H Rahmnian Koushkaki, Amin Shahsavar,Numerical assessment on the hydrothermal behaviour and entropy generation characteristics of boehmite alumina nanofluid flow through a concentrating photovoltaic/thermal system,Sustainable Energy Technologies and Assessments,2022/8/1.

7. Hossein Rahmanian-Koushkaki, Saeed Rahamanian, Mahbod Moein-Jahromi, Kamaruzzaman Sopian, Performance evaluation of concentrated photovoltaics with phase change materials embedded metal foam-based heat sink using gradient strategy, International Journal of Energy Research, 2022/4.
8. S Rahamanian, A Hamzavi, Effects of pump power on performance analysis of photovoltaic thermal system using CNT nanofluid, Solar energy, 2020.
9. S Rahamanian A.R.Suray B.Roshanravan R.N.Othman R.Zahari E.S.Zainudin, The influence of multiscale fillers on the rheological and mechanical properties of carbon-nanotube-silica-reinforced epoxy composite, Materials & Design, 2016.
10. Bahador Dastorian Jamnani, Soraya Hosseini, Saeed Rahamanian, Suraya Abdul Rashid, Grafting Carbon Nanotubes on Glass Fiber by Dip Coating Technique to Enhance Tensile and Interfacial Shear Strength, Journal of Nanomaterials, 2016.
11. S Rahamanian, M Moein , Jahromi, H Rahamanian , Koushkaki, K Sopian, Performance investigation of inclined CPV system with composites of PCM, metal foam and nanoparticles, Solar Energy, December 2021.
12. Mojtaba Dayer, Kamaruzzaman Sopian, Adnan Ibrahim, Anwer B Al ,& Aasam, Bassam Abdulsahib, Saeed Rahamanian, Ag Sufiyan Abd Hamid, [PDF] from researchgate.net Performance of Combined PCM/Metal Foam-based Photovoltaic Thermal (PVT) Collector, International Journal of Renewable Energy Research (IJRER), 2023/6/29.
13. Shazed Aziz Suraya Abdul Rashid Saeed Rahamanian Mohamad Amran Salleh, Experimental evaluation of the interfacial properties of carbon nanotube coated carbon fiber reinforced hybrid composites, Polymer Composites, 2015.
14. S.Rahamanian .R.Suraya R.N.Othman R.Zahari E.S.Zainudina, Growth of carbon nanotubes on silica microparticles and their effects on mechanical properties of polypropylene nanocomposites, Materials & Design, 2015.
15. Z Yunusa, S Abdul Rashid, MN Hamidon, S Hafiz, I Ismail, S Rahamanian, Synthesis of Y-tip graphitic nanoribbons from alcohol catalytic chemical vapor deposition on piezoelectric substrate, Journal of Nanomaterials, 2015.
16. SAIAAAS Zainab Yunusa, Mohd Nizar Hamidon, Alyani Ismail, Development of a Hydrogen Gas Sensor Using a Double Saw Resonator System at Room Temperature, Sensors, 2015.
17. Norkhairunnisa Mazlan, Norasiah Termazi, Suraya Abdul Rashid, Saeed Rahamanian, Investigations on composite flexural behaviour with inclusion of CNT enhanced silica aerogel in epoxy nanocomposites, Applied Mechanics and Materials, 2015.
18. S Rahamanian, AR Suraya, MA Shazed, R Zahari, ES Zainudin, Mechanical characterization of epoxy composite with multiscale reinforcements: carbon nanotubes and short carbon fibers, Materials & Design, 2014.
19. MA Shazed, AR Suraya, S Rahamanian, MA Mohd Salleh, Effect of fibre coating and geometry on the tensile properties of hybrid carbon nanotube coated carbon fibre reinforced composite, Materials & Design, 2014.
20. S Rahamanian, AR Suraya, R Zahari, ES Zainudin, Synthesis of vertically aligned carbon nanotubes on carbon fiber, Applied Surface Science, 2014.
21. Suraya Abdul Rashid, Saeed Rahamanian, Mohamad Amran Mohd Salleh, Application of CNT Enhanced Carbon Fibers in Hybrid Composites with Improved Interfacial Properties, Advanced Materials Research, 2014.
22. S Rahamanian, KS Thean, AR Suraya, MA Shazed, MA Mohd Salleh, HM Yusoff, Carbon and glass hierarchical fibers: influence of carbon nanotubes on tensile, flexural and impact properties of short fiber reinforced composites, Materials & Design, 2013.