# List of Publications

Total publications in impact factor journals are 41 and total impact factor is 140.

1. Khan M.U.A, Al-Arjan, W. S., Binkadem, M. S., Mehboob, H., Haider, A., **Raza, M. A** et al., Development of Biopolymeric Hybrid Scaffold-Based on AAc/GO/nHAp/TiO2 Nanocomposite for Bone Tissue Engineering: In-Vitro Analysis. Nanomaterials, 11(5), May 2021, 1319. (impact factor: 4.03)

2. Nadeem A, Maqsood MF, **Raza M.A**, Ilyas M.T, Iqbal MJ, R ZU, Binder free boron nitride-based coatings deposited on mild steel by chemical vapour deposition: Anti-corrosion performance analysis, Physica B: Condensed Matter, Volume 602, Feb. 2021 (impact factor = 1.902)

3. Rehman ZU, **Raza M. A**, T Ahmed, Chishti UZ, Maqsood MF, et al., La0.75Sr0.25Cr0.5Mn0.5O3 perovskite developed for supercapacitor applications, Journal of Energy Storage, Volume 32, Dec. 2020, 101951. (impact factor: 3.7)

4. Khan MU, **Raza M.A,** et al., Development and in vitro evaluation of κ-carrageenan based polymeric hybrid nanocomposite scaffolds for bone tissue engineering, RSC advances, Issue 66, 6 Nov. 2020, 40529-40542 (impact factor: 3.07)

5. Nadeem, A., **Raza, M. A**., Maqsood, M. F., Ilyas, M. T., Westwood, A., & Rehman, Z. U. (2020). Characterization of boron nitride nanosheets synthesized by boron-ammonia reaction. Ceramics International, 46 (15.08.2020): 20415-20422 (https://doi.org/10.1016/j.ceramint.2020.05.132) (impact factor = 3.8)

6. **Raza MA**, Maqsood FM, Rehman ZU, Westwood A, Inam A, et al. , Thermally Reduced Graphene Oxide-Reinforced Acrylonitrile Butadiene Styrene Composites Developed by Combined Solution and Melt Mixing Method, Arabian Journal for Science and Engineering, Aug. 2020, 45(11), 9559-9568 (impact factor= 1.71)

7. Khan MU, **Raza M.A,** et al., Novel functional antimicrobial and biocompatible arabinoxylan/guar gum hydrogel for skin wound dressing applications, Journal of Tissue Engineering and Regenerative Medicine, 14, Issue 10, 6th August, 2020, 1488-1501 (impact factor = 3.078)

8. Maqsood, M. F., **Raza, M. A**., Ghauri, F. A., Rehman, Z. U., & Ilyas, M. T. Corrosion study of graphene oxide coatings on AZ31B magnesium alloy, Journal of Coating Technology Research, 29 May 2020, (https://link.springer.com/article/10.1007/s11998-020-00350-3), (Impact factor = 1.815)

9. Afzal, T., Iqbal, M.J., Iqbal, M.Z., Sajjad, A., **Raza, M.A**., Riaz, S., Kamran, M.A., Numan, A. and Naseem, S., Effect of post-deposition annealing temperature on the charge carrier mobility and morphology of DPPDTT based Organic Field Effect Transistors. Chemical Physics Letters, 21st Apr 2020, p.137507 (impact factor = 2.029)

10. Inam, A., **Raza, M. A.,** Hafeez, M. A., Shah, S. B., Ishtiaq, M., Hassan, M. H., ... & Maqbool, A., Effect of voltage and spray–off distance of electric-arc spray technique on surface properties of nickel–chrome (Ni–Cr) coating developed on 304L stainless steel. Materials Research Express 7.1 (2020): 016525. (impact factor= 1.929)

11. Rehman ZU, **Raza MA**, Hussnain A, Chishti U, Inam A, Ali F, Maqsood MF, Effect of morphology of manganese oxide on the capacitive behavior of electrodes, Materials Research Express, 6 (6.11.2019) : 115552 (impact factor= 1.929)

12. **Raza, M. A**., Mujddid, M., Hussain, M., Ali, H. Q., Rehman, Z. U., & Inam, A. Mechanical properties of graphene oxide coated-glass fiber reinforced unsaturated polyester composites, Materials Research Express, 25.09.2019, 6:115303 (impact factor= 1.929)

13. Inam A, Ahmad R, **Raza MA**, Hassan A, Hafeez MA., Development of high strength austempered ductile iron (ADI) from conventional pig iron, Materials Research Express, 11.09.2019, 6: 1065c7 (Impact factor= 1.928)

14. **Raza MA**, Westwood AVK, Thermal contact resistance of various carbon nanomaterial-based epoxy composites developed for thermal interface applications, Journal of Materials Science: Materials in Electronics, 29.04.2019, 30 (11): 10630-10638 DOI: 10.1007/s10854-012-0674-0 (IF= 2.220)

15. Uddin GM, Jawad M, Ghufran M, Saleem MW, **Raza MA**, Rehman ZU, et al., Experimental investigation of tribo-mechanical and chemical properties of TiN PVD coating on titanium substrate for biomedical implants manufacturing, The International Journal of Advanced Manufacturing Technology, 7.01.2019, 102 (5-8), 1391-1404 (10.1007/s00170-018-03244-2.) (IF= 2.63)

16. Asgar H, Deen KM, Rahman ZU, Shah UH, **Raza MA**, Haider W, Functionalized graphene oxide coating on Ti6Al4V alloy for improved biocompatibility and corrosion resistance, Materials Science and Engineering C, 2019, 94, 920-928 (IF= 5.88)

17. Ali QA **, Raza MA**, Westwood A, Ghauri FA, Asgar H, Development and mechanical characterization of composites based on unsaturated polyester reinforced with maleated

high oleic sunflower oil-treated cellulose fiber, Polymer Composites, 2019, 40(3): 901-908 (IF=2.265).

18. **Raza MA**, Rehman ZU, Ghauri FA, Corrosion study of silane-functionalized graphene oxide coatings on copper, Thin Solid Films, 1.10.2018, 663 (1),93-99 (IF=2.03).

19. Rehman ZU, **Raza MA**, Ghauri FA, Kanwal R, Ahmad Akhlaq, Inam A, Graphene Oxide Coatings Deposited on Steel Substrate Using Electrophoretic Deposition and Electrochemical Evaluation of Coatings in Saline Media, Key Engineering Materials, 2018, 778, 111-117.

20. **Raza MA**, Westwood AVK, Stirling C., Graphite nanoplatelet/rubbery epoxy composites as adhesives and pads for thermal interface applications, Journal of Materials Science: Materials in Electronics, 15.03.2018, 29 (10): 8822 DOI: 10.1007/s10854-012-0674-0 (IF= 2.22)

21. **Raza MA**, Ali A, Ghuari FA, Baig MS, Ibrahim S, Corrosion study of the graphene oxide and reduced graphene oxide-based epoxy coatings, Materials Research Express, 4.12.2017; 4(1), 125601 (IF=1.929)

22. **Raza MA**, Ali A, Ghuari FA, Aslam A, Yaqoob K, Wasay A, Electrochemical behavior of graphene coatings deposited on copper metal by electrophoretic deposition and chemical vapour deposition, Surface and Coatings Technology, 25.12.2017; 332; 112-119 (IF= 3.784)

23. **Raza MA**, A Akhlaq, Ghauri FA, Rehman A, Ahmad R, Graphene oxide coating for improved corrosion resistance of NdFeB magnets, Nust Journal of Engineering Sciences, 2017;1; 14-18 (HEC recognized local Journal, X-category)

24. **Raza MA**, Rehman ZU, Ghauri FA, Ahmad A, Ahmad R, Raffi M, Corrosion study of electrophoretically deposited graphene oxide coatings on copper metal, Thin Solid films, 1.12.2016; 621;150-159 (IF=2.03)

25. **Raza MA**, Asgar H, Abdullah A, Ahmad R, Inam A, Ghauri FA, Carburising of Low-Carbon Steel Using Carbon Black Nanoparticles, Arabian Journal for Science and Engineering, 8.06.2016;41(11): 4661-4667. (IF=1.711)

26. Nosheen S, Raza **MA**, Alam S, Irfan M, Iftikhar A, Iftikhar F, Waseem B, Synthesis and Characterization of Polypyrrole and Graphene/Polypyrrole/Epoxy Composites, Arabian Journal for Science and Engineering, 3.6.2016;42(1) 193-199 (IF=1.711)

27. **Raza MA**, Westwood A, Stirling C. Comparison of carbon nanofiller-based polymer composite adhesives and pastes for thermal interface applications. Materials & Design. 15.11.2015;85(0):67-75. (IF=6.289)

28. **Raza MA**, Westwood A, Stirling C. Effect of boron nitride addition on properties of vapour grown carbon nanofiber/rubbery epoxy composites for thermal interface applications, Composite Science and Technology, 4.12.2015;120:9-16 (IF=7.094)

29. **Raza MA**, Deen KM, Awan HA, Ahmad R, Husnain A. Synthesis and Characterization of La0.75Sr0.25Mn1-xMgxO3-δ Perovskite for Alkaline Fuel Cell, Materials Today: Proceedings, 2015;10:2:5522-5527.

30. Deen KM, Farooq A, **Raza MA**, Ahmad R, Haider W, Estimating the degradation of methylethionium chloride dye on nanotubular $TiO_2$ structure, Journal of Industrial and Engineering Chemistry, 25.02.2015;22 (0), 153-158 (IF= 5.278)

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32. Deen KM, Farooq A, **Raza MA**, Haider W, Effect of electrolyte composition on $TiO_2$ nanotubular structure formation and its electrochemical evaluation, Electrochimica Acta, 20.01.2014;117:329-335 (IF = 6.215)

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35. Rahman IZ, **Raza MA**, Rahman MA, Perovskite based anode materials for solid oxide fuel cell application: A Review. Advanced Materials Research, 2012;445:497-502 (ISSN: 1662-8985), DOI 10.4028/www.scientific.net/AMR.445.49

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37. **Raza MA**, Westwood A, Stirling C. Carbon black/graphite nanoplatelet/rubbery epoxy hybrid composites for thermal interface applications. Journal of Materials Science. 7.9.2011;47(2):1059-70.(IF=3.553)

38. **Raza MA**, Westwood AVK, Stirling C. Effect of processing technique on the transport and mechanical properties of graphite nanoplatelet/rubbery epoxy composites for thermal interface applications. Materials Chemistry and Physics. 16.01.2012;132(1):63-73. (IF= 3.40)

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46. **Raza MA**, Rahman IZ, Beloshapkin S. Synthesis of nanoparticles of $La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_{3-\delta}$ (LSCM) perovskite by solution combustion method for solid oxide fuel cell application. Journal of Alloys and Compounds. 19.10.2009;485(1-2):593-7. (Impact Factor =4.65)

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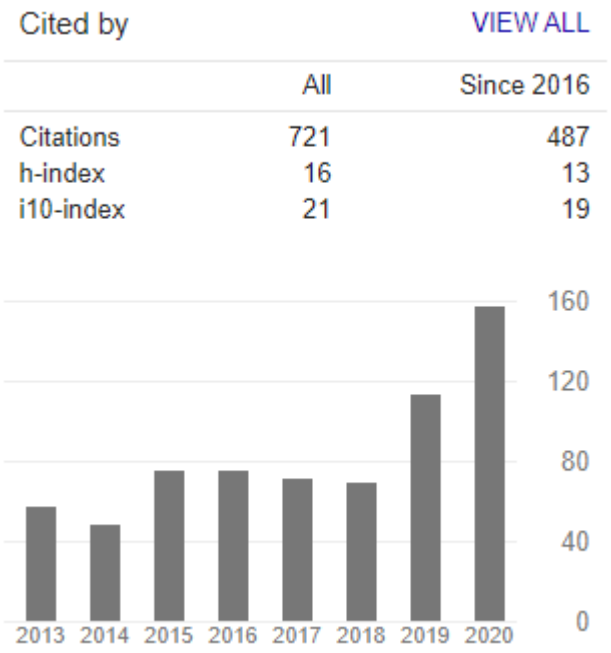
## Citations as per year (Google Scholar)

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