# M O H Cioffi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4385434/publications.pdf

Version: 2024-02-01

| 110 | 2,704 | 218381 | 223531 |
|---|---|---|---|
| papers | citations | 26 h-index | 46 g-index |

| 112 | 112 | 112 | 2731 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vegetal fibers in polymeric composites: a review. Polimeros, 2015, 25, 9-22. | 0.2 | 163 |
| 2 | Sugarcane bagasse cellulose/HDPE composites obtained by extrusion. Composites Science and Technology, 2009, 69, 214-219. | 3.8 | 159 |
| 3 | Evaluation of WCâ€“17Co and WCâ€“10Coâ€“4Cr thermal spray coatings by HVOF on the fatigue and corrosion strength of AISI 4340 steel. Surface and Coatings Technology, 2005, 190, 155-164. | 2.2 | 113 |
| 4 | Preparation and properties of HDPE/sugarcane bagasse cellulose composites obtained for thermokinetic mixer. Carbohydrate Polymers, 2009, 75, 317-321. | 5.1 | 110 |
| 5 | Preparation of nanocellulose from Imperata brasiliensis grass using Taguchi method. Carbohydrate Polymers, 2018, 192, 337-346. | 5.1 | 106 |
| 6 | Coating residual stress effects on fatigue performance of 7050-T7451 aluminum alloy. Surface and Coatings Technology, 2007, 201, 9448-9455. | 2.2 | 98 |
| 7 | Fatigue behavior of PVD coated Tiâ€“6Alâ€“4V alloy. International Journal of Fatigue, 2011, 33, 759-765. | 2.8 | 81 |
| 8 | Mechanical behavior of natural fiber composites. Procedia Engineering, 2011, 10, 2022-2027. | 1.2 | 81 |
| 9 | Thermal and mechanical behaviour of sisal/phenolic composites. Composites Part B: Engineering, 2012, 43, 2843-2850. | 5.9 | 66 |
| 10 | Effect of fiber surface on flexural strength in carbon fabric reinforced epoxy composites. Applied Surface Science, 2013, 274, 210-216. | 3.1 | 66 |
| 11 | Surface energy increase of oxygen-plasma-treated PET. Materials Characterization, 2003, 50, 209-215. | 1.9 | 65 |
| 12 | Obtainment and characterization of nanocellulose from an unwoven industrial textile cotton waste: Effect of acid hydrolysis conditions. International Journal of Biological Macromolecules, 2019, 126, 496-506. | 3.6 | 65 |
| 13 | Sugarcane bagasse cellulose fibres and their hydrous niobium phosphate composites: synthesis and characterization by XPS, XRD and SEM. Cellulose, 2014, 21, 641-652. | 2.4 | 55 |
| 14 | Fatigue strength of HVOF sprayed Cr3C2â€“25NiCr and WC-10Ni on AISI 4340 steel. Surface and Coatings Technology, 2008, 203, 191-198. | 2.2 | 52 |
| 15 | Effect of WCâ€“10%Coâ€“4%Cr coating on the Tiâ€“6Alâ€“4V alloy fatigue strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 507, 29-36. | 2.6 | 51 |
| 16 | Effect of electroless nickel interlayer on the fatigue strength of chromium electroplated AISI 4340 steel. International Journal of Fatigue, 2007, 29, 695-704. | 2.8 | 48 |
| 17 | Obtaining cellulose nanocrystals from pineapple crown fibers by free-chlorite hydrolysis with sulfuric acid: physical, chemical and structural characterization. Cellulose, 2020, 27, 5745-5756. | 2.4 | 48 |
| 18 | Effect of cold plasma treatment on mechanical properties of PET/PMMA composites. Composites Part A: Applied Science and Manufacturing, 2005, 36, 615-623. | 3.8 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rheokinetics of linear polymerization. A literature review. Polymer Engineering and Science, 2002, 42, 2383-2392. | 1.5 | 40 |
| 20 | Three-dimensional porosity characterization in carbon/glass fiber epoxy hybrid composites. Composites Part A: Applied Science and Manufacturing, 2019, 125, 105555. | 3.8 | 40 |
| 21 | Mechanical properties of HIPS/sugarcane bagasse fiber composites after accelerated weathering. Procedia Engineering, 2011, 10, 3246-3251. | 1.2 | 39 |
| 22 | Characterization of a New Lignocellulosic Fiber from Brazil:Imperata brasiliensis(Brazilian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 112-125. | 1.7 | 34 |
| 23 | Effect of chemical treatment of pineapple crown fiber in the production, chemical composition, crystalline structure, thermal stability and thermal degradation kinetic properties of cellulosic materials. Carbohydrate Research, 2021, 499, 108227. | 1.1 | 33 |
| 24 | Cellulose fiber-reinforced high-density polyethylene compositesâ€"Mechanical and thermal properties. Journal of Composite Materials, 2017, 51, 1807-1815. | 1.2 | 32 |
| 25 | Evaluation of WC-10Ni thermal spray coating with shot peening on the fatigue strength of AISI 4340 steel. Procedia Engineering, 2010, 2, 649-656. | 1.2 | 31 |
| 26 | An investigation on sliding wear behavior of PVD coatings. Tribology International, 2010, 43, 2196-2202. | 3.0 | 30 |
| 27 | Effect of stacking sequence and porosity on creep behavior of glass/epoxy and carbon/epoxy hybrid laminate composites. Composites Communications, 2020, 19, 210-219. | 3.3 | 30 |
| 28 | AnÃ¡lise DinÃ¢mico-MecÃ¢nica de Materiais CompÃ³sitos PolimÃ©ricos. Scientia Cum Industria, 2016, 4, 48. | 0.1 | 29 |
| 29 | Improvement in the fatigue strength of chromium electroplated AISI 4340 steel by shot peening. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 97-104. | 1.7 | 28 |
| 30 | Fatigue fracture behavior of Ti-6Al-4V PVD coated. Procedia Engineering, 2010, 2, 1859-1864. | 1.2 | 25 |
| 31 | Analysis of curaua/glass hybrid interlayer laminates. Journal of Reinforced Plastics and Composites, 2014, 33, 472-478. | 1.6 | 25 |
| 32 | On the creep behavior of carbon/epoxy non-crimp fabric composites. Materials Research, 2018, 21, . | 0.6 | 25 |
| 33 | Effect of different degradation types on properties of plastic waste obtained from espresso coffee capsules. Waste Management, 2019, 83, 123-130. | 3.7 | 25 |
| 34 | Evaluation of WC-10Ni thermal spraying coating by HVOF on the fatigue and corrosion AISI 4340 steel. Procedia Engineering, 2010, 2, 331-340. | 1.2 | 23 |
| 35 | Fatigue in AISI 4340 steel thermal spray coating by HVOF for aeronautic application. Procedia Engineering, 2010, 2, 1617-1623. | 1.2 | 23 |
| 36 | Evaluation of shot peening on the fatigue strength of anodized Ti-6Al-4V alloy. Materials Research, 2006, 9, 107-109. | 0.6 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Image analysis of modified cellulose fibers from sugarcane bagasse by zirconium oxychloride. Carbohydrate Research, 2010, 345, 1865-1871. | 1.1 | 21 |
| 38 | Experimental RTM manufacturing analysis of carbon/epoxy composites for aerospace application. Materials Research, 2013, 16, 1175-1182. | 0.6 | 19 |
| 39 | Characterization of High Density Polyethylene (HDPE) Reinforced with Banana Peel Fibers. BioResources, 2013, 8, . | 0.5 | 19 |
| 40 | The Role of Stitch Yarn on the Delamination Resistance in Non-crimp Fabric: Chemical and Physical Interpretation. Journal of Materials Engineering and Performance, 2017, 26, 978-986. | 1.2 | 19 |
| 41 | Plasma immersion ion implantation (PIII) influence on Ti-6Al-4V alloy: Frequency effect. International Journal of Fatigue, 2018, 109, 157-165. | 2.8 | 19 |
| 42 | Effect of different stacking sequences on hybrid carbon/glass/epoxy composites laminate: Thermal, dynamic mechanical and long-term behavior. Journal of Composite Materials, 2020, 54, 731-743. | 1.2 | 17 |
| 43 | Creep/recovery and stress-relaxation tests applied in a standardized carbon fiber/epoxy composite: Design of experiment approach. Journal of Strain Analysis for Engineering Design, 2020, 55, 109-117. | 1.0 | 17 |
| 44 | Fatigue Strength of X45CrSi93 stainless steel applied as internal combustion engine valves. Procedia Engineering, 2011, 10, 1256-1261. | 1.2 | 16 |
| 45 | A brief discussion on (pure mode I) fatigue crack growth rate data in 5HS weave fabric composites: Evaluation of empirical relations. International Journal of Fatigue, 2016, 84, 97-103. | 2.8 | 16 |
| 46 | Influence of void content and morphology on the creep behavior on glass/epoxy composites. Composites Communications, 2021, 25, 100712. | 3.3 | 16 |
| 47 | Flexural behavior of Sisal/Castor oil-Based Polyurethane and Sisal/Phenolic Composites. Materials Research, 2012, 15, 191-197. | 0.6 | 15 |
| 48 | Fatigue Performance of AISI 4340 Steel Ni-Cr-B-Si-Fe HVOF Thermal Spray Coated. Procedia Engineering, 2015, 114, 606-612. | 1.2 | 15 |
| 49 | FEA simulation and experimental validation of mode I and II delamination at the carbon/glass/epoxy hybrid interface: Physical-based interpretation. Composites Communications, 2020, 22, 100532. | 3.3 | 15 |
| 50 | A Dynamic Model for Multiple Steady States in Reactive Extrusion. International Polymer Processing, 2001, 16, 263-271. | 0.3 | 15 |
| 51 | A review on self-healing polymers and polymer composites for structural applications. Polymer Composites, 2022, 43, 7643-7668. | 2.3 | 15 |
| 52 | Effects of Electroplated Zinc-Nickel Alloy Coatings on the Fatigue Strength of AISI 4340 High-Strength Steel. Journal of Materials Engineering and Performance, 2005, 14, 249-257. | 1.2 | 14 |
| 53 | Influence of voids on the flexural resistance of the NCF/RTM6 composites. Procedia Engineering, 2011, 10, 3220-3225. | 1.2 | 14 |
| 54 | Effect of acid hydrolysis conditions on the degradation properties of cellulose from Imperata brasiliensis fibers. Procedia Engineering, 2017, 200, 244-251. | 1.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Effects of plasma treatment on the sorption properties of coconut fibers. Procedia Engineering, 2017, 200, 357-364. | 1.2 | 14 |
| 56 | Increasing fatigue resistance of AISI 4340 steel by nitrogen plasma ion-implantation. Engineering Failure Analysis, 2019, 104, 490-499. | 1.8 | 14 |
| 57 | Hybridâ€permeability model evaluation through concepts of tortuosity and resistance rate: Properties of manufactured hybrid laminate. Polymer Engineering and Science, 2019, 59, 1215-1222. | 1.5 | 14 |
| 58 | Survey on chemical, physical, and thermal prediction behaviors for sequential chemical treatments used to obtain cellulose from Imperata Brasiliensis. Journal of Thermal Analysis and Calorimetry, 2021, 143, 73-85. | 2.0 | 14 |
| 59 | A novel hybrid linearâ€“hyperbranched poly(butylene adipate) copolymer as an epoxy resin modifier with toughening effect. Polymer International, 2016, 65, 308-319. | 1.6 | 13 |
| 60 | Fractography analysis and fatigue strength of carbon fiber/RTM6 laminates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3609-3614. | 2.6 | 12 |
| 61 | Flexural Test On Recycled Polystyrene. Procedia Engineering, 2011, 10, 930-935. | 1.2 | 12 |
| 62 | Replacement of metallic parts for polymer composite materials in motorcycle oil pumps. Journal of Reinforced Plastics and Composites, 2017, 36, 149-160. | 1.6 | 12 |
| 63 | The synergy effect of carbon/glass/epoxy hybrid laminate in Mode I delamination: A physical microfracture analysis. Engineering Fracture Mechanics, 2020, 239, 107295. | 2.0 | 12 |
| 64 | Sustainable application of recycled espresso coffee capsules: Natural composite development for a home composter product. Journal of Cleaner Production, 2021, 297, 126647. | 4.6 | 12 |
| 65 | Polyhydroxyalkanoates and Their Nanobiocomposites With Cellulose Nanocrystals. , 2016, , 261-285. | | 11 |
| 66 | PHBV/cellulose nanofibrils composites obtained by solution casting and electrospinning process. Revista Materia, 2017, 22, . | 0.1 | 11 |
| 67 | Mechanical behavior simulation: NCF/epoxy composite processed by RTM. Polymers and Polymer Composites, 2019, 27, 66-75. | 1.0 | 11 |
| 68 | Tensile Strength of Radio Frequency Cold Plasma Treated PET Fibers - Part I: Influence of Environmen and Treatment Time. Journal of Materials Engineering and Performance, 2002, 11, 659-666. | 1.2 | 10 |
| 69 | Correlation of microcrack fracture size with fatigue cycling on non-crimp fabric/RTM6 composite in the uniaxial fatigue test. Composites Part B: Engineering, 2012, 43, 2244-2248. | 5.9 | 10 |
| 70 | Efficiency comparison of hyperbranched polymers as toughening agents for a one-part epoxy resin. Journal of Materials Research, 2015, 30, 869-878. | 1.2 | 10 |
| 71 | Effect of fiber chemical treatment of nonwoven coconut fiber/epoxy composites adhesion obtained by RTM process. Polymer Composites, 2017, 38, 2518-2527. | 2.3 | 10 |
| 72 | Thermal characterization and lifetime prediction of the PHBV/nanocellulose biocomposites using different kinetic approaches. Cellulose, 2020, 27, 7503-7522. | 2.4 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Mode II delamination of carbon-glass fiber/epoxy hybrid composite under fatigue loading. International Journal of Fatigue, 2022, 154, 106574. | 2.8 | 10 |
| 74 | Cure kinetic of castor oil-based polyurethane. Journal of Applied Polymer Science, 2011, 122, 3168-3171. | 1.3 | 9 |
| 75 | Tricot stitched carbon fiber reinforced polymer composite laminates manufactured by resin transfer molding process: C-scan and flexural analysis. Journal of Composite Materials, 2013, 47, 1695-1703. | 1.2 | 9 |
| 76 | Applicability of standard delamination tests (double cantilever beam and end notch flexure) for 5HS fabric-reinforced composites in weft-dominated surface. Journal of Composite Materials, 2015, 49, 2557-2565. | 1.2 | 9 |
| 77 | Hygrothermal Effect on Composites Under In-Plane Fatigue at Stress Ratios of Râ€‰=â€‰â^'1 and Râ€‰=â€‰0.1: An Analysis of Quasi-Isotropic Stitched Carbon Fibers. Journal of Materials Engineering and Performance, 2018, 27, 5964-5972. | 1.2 | 8 |
| 78 | Mode I and mode <scp>II</scp> delamination of carbon/glass/epoxy hybrid composite: A statisticsâ€based analysis. Polymer Composites, 2021, 42, 3857-3869. | 2.3 | 8 |
| 79 | Plasma immersion ion implantation on 15-5PH stainless steel: influence on fatigue strength and wear resistance. Journal of Physics: Conference Series, 2017, 843, 012023. | 0.3 | 7 |
| 80 | Porosity characterization and respective influence on short-beam strength of advanced composite processed by resin transfer molding and compression molding. Polymers and Polymer Composites, 2021, 29, 1353-1362. | 1.0 | 7 |
| 81 | A Dynamic Model Accounting for Oscillating Behavior in Reactive Extrusion. International Polymer Processing, 2003, 18, 277-284. | 0.3 | 7 |
| 82 | Mechanical Strength of PET Fibers Treated in Cold Plasma and Thermal Exposed. Journal of Materials Engineering and Performance, 2003, 12, 279-287. | 1.2 | 6 |
| 83 | Evaluation on fatigue strength of AISI 4340 steel aluminum coated by electroplating and IVD processes. Journal of Materials Science, 2010, 45, 6094-6100. | 1.7 | 6 |
| 84 | PreparaÃ§Ã£o e caracterizaÃ§Ã£o de materiais hÃbridos celulose/NbOPO4.nH2O a partir de celulose branqueada de bagaÃ§o de cana-de-aÃ§Ãºcar. Polimeros, 2012, 22, 88-95. | 0.2 | 6 |
| 85 | The relationship between pure delamination modes I and II on the crack growth rate process in cracked lap shear specimen (CLS) of 5 harness satin composites. Composites Part A: Applied Science and Manufacturing, 2015, 78, 350-357. | 3.8 | 6 |
| 86 | Scrutinizing interlaminar fatigue loading cycle in composites using acoustic emission technique: Stress ratio influence on damage formation. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106065. | 3.8 | 6 |
| 87 | InfluÃªncia da Espessura nas Propriedades MecÃ¢nicas de CompÃ³sitos HÃbridos Interlaminares de CurauÃ¡ / Vidro / PoliÃ©ster. Polimeros, 2014, 24, 184-189. | 0.2 | 6 |
| 88 | Carbon fiber non-crimp multi-axial reinforcement and epoxy mono-component system composite: Fatigue behavior. Procedia Engineering, 2010, 2, 341-348. | 1.2 | 5 |
| 89 | Permeability of untreated and atmospheric plasma treated coconut fiber mats. Materials Research Express, 2019, 6, 095323. | 0.8 | 5 |
| 90 | Instabilities in free radical polymerization. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 897-906. | 0.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Residual stress influence on fatigue lifetimes of electroplated AISI 4340 high strength steel. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 1084-1097. | 1.7 | 4 |
| 92 | Fatigue Crack Growth Rate in Mode I of a Carbon Fiber 5HS Weave Composite Laminate Processed via RTM. Advanced Materials Research, 0, 891-892, 172-177. | 0.3 | 4 |
| 93 | Thermal Analysis of Sisal/Epoxy Composite Processed by RTM. Applied Mechanics and Materials, 0, 719-720, 50-54. | 0.2 | 4 |
| 94 | Residual modulus degradation model for woven fabric composite determined by impulse excitation technique. International Journal of Fatigue, 2020, 133, 105456. | 2.8 | 4 |
| 95 | Porosity Characterization of Carbon Fiber/Epoxy Composite Using Hg Porosimetry and Other Techniques. Polymer Engineering and Science, 2020, 60, 841-849. | 1.5 | 4 |
| 96 | Investigation of HVOF-sprayed WC- and NiCr-based coatings to improve corrosion and wear performance of high-strength steel. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1. | 0.8 | 4 |
| 97 | Evaluation of stitched fabric composite processed by RTM in quasi-static test. Procedia Engineering, 2011, 10, 2603-2608. | 1.2 | 3 |
| 98 | AnÃ¡lise do efeito higrotÃ©rmico no comportamento em fadiga de compÃ³sitos de PPS/fibras de carbono. Polimeros, 2012, 22, 7-12. | 0.2 | 3 |
| 99 | Influence of Shot Peening on the Fatigue Strength of Custom 465 Stainless Steel for Aeronautic Application. Advanced Materials Research, 0, 891-892, 668-673. | 0.3 | 3 |
| 100 | The relation of porosity and creep behavior of glass fiber/epoxy composite: Design of experiments approach. Polymer Composites, 2021, 42, 5869-5879. | 2.3 | 3 |
| 101 | A fatigue life estimative method based on dynamic mechanical and fatigue analyses. International Journal of Fatigue, 2020, 138, 105723. | 2.8 | 3 |
| 102 | The Influence of Carbon/Glass/Epoxy Hybrid Interfacial Adhesion on the Mode II Delamination Fracture Toughness. Mechanics of Composite Materials, 2022, 58, 237-248. | 0.9 | 3 |
| 103 | Politics, desire and memory in the construction of landscape in the Argentine pampas. Journal of Visual Art Practice, 2006, 5, 107-119. | 0.3 | 2 |
| 104 | Quantitative microscopy characterization of hydrous niobium phosphate into bleached cellulose. Micron, 2010, 41, 402-411. | 1.1 | 2 |
| 105 | Comparison of Glass Transition Temperature Values of Composite Polymer Obtained by TMA and DSC. Applied Mechanics and Materials, 0, 719-720, 91-95. | 0.2 | 2 |
| 106 | The influence of carbon-glass/epoxy hybrid composite under mode I fatigue loading: Physical-based characterization. Composite Structures, 2022, 286, 115291. | 3.1 | 2 |
| 107 | Different Sequential Chemical Treatments Used to Obtain Bleached Cellulose from Orange Bagasse. Journal of Natural Fibers, 2022, 19, 12849-12861. | 1.7 | 2 |
| 108 | Influence of HVOF Coating on the Fatigue Strength of 15-5 PH Stainless Steel. Advanced Materials Research, 0, 891-892, 843-847. | 0.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Comparison between Commercial and Synthesized Hyperbranched Polyesters Regarding Fracture Toughness of Epoxy Matrix. Applied Mechanics and Materials, 2015, 719-720, 110-113. | 0.2 | 1 |
| 110 | Ð'Ð»Ð¸Ð½Ð¾Ð¼ Ð¼ÐµÐ¶Ð¿Ð¾Ð²ÐµÑ€Ñ…Ð½Ð¾Ð¹ Ð°Ð´Ð³ÐµÐ·Ð¸Ð¸ Ð³Ð±Ñ€Ð¸Ð´Ð½Ñ‹Ñ… Ð¿Ð¾Ð»Ð¸ÑÑ„Ð¸Ñ€Ð¸Ñ€Ð | | |