

Publicações dos últimos 10 anos (dez 2020, Scopus)

1. Microstructure and mechanical properties of fully sintered zirconia glazed with an experimental glass
(2021) Journal of the Mechanical Behavior of Biomedical Materials,
DOI: 10.1016/j.jmbbm.2020.104093
2. Facile preparation of Bi-doped ZnO/ β -Bi₂O₃/Carbon xerogel composites towards visible-light photocatalytic applications: Effect of calcination temperature and bismuth content
(2020) Ceramics International,
DOI: 10.1016/j.ceramint.2020.06.166
3. A brief review concerning the latest advances in the influence of nanoparticle reinforcement into polymeric-matrix biomaterials
(2020) Journal of Biomaterials Science, Polymer Edition,
DOI: 10.1080/09205063.2020.1781527
4. Silica infiltration in partially stabilized zirconia: Effect of hydrothermal aging on mechanical properties
(2020) Journal of the Mechanical Behavior of Biomedical Materials,
DOI: 10.1016/j.jmbbm.2020.103774
5. Evaluation of colloidal and polymeric routes in sol-gel synthesis of a bioactive glass-ceramic derived from 45S5 bioglass
(2020) Ceramics International,
DOI: 10.1016/j.ceramint.2020.05.108
6. Zinc oxide/carbon xerogel composites for photocatalytic applications developed through acidic and alkaline synthesis routes: structural, morphological, and photocatalytic evaluations
(2020) Journal of Nanoparticle Research,
DOI: 10.1007/s11051-020-04893-9
7. Non-destructive Surface Residual Stress Profiling by Multireflection Grazing Incidence X-Ray Diffraction: a 7050 Al Alloy Study
(2020) Experimental Mechanics,
DOI: 10.1007/s11340-019-00578-0
8. α -wollastonite crystallization at low temperature
(2020) Ceramics International,
DOI: 10.1016/j.ceramint.2019.11.143
9. Degradation kinetics of high-translucency dental zirconias: Mechanical properties and in-depth analysis of phase transformation
(2020) Journal of the Mechanical Behavior of Biomedical Materials,
DOI: 10.1016/j.jmbbm.2019.103482
10. Effect of synthesis medium on structural and photocatalytic properties of ZnO/carbon xerogel composites for solar and visible light degradation of 4-chlorophenol and bisphenol A
(2020) Colloids and Surfaces A: Physicochemical and Engineering Aspects,
DOI: 10.1016/j.colsurfa.2019.124034
11. PCL/ β -AgVO₃ nanocomposites obtained by solvent casting as potential antimicrobial biomaterials
(2020) Journal of Applied Polymer Science,
DOI: 10.1002/app.50130

12. Current advances concerning the most cited metal ions doped bioceramics and silicate-based bioactive glasses for bone tissue engineering
(2020) *Ceramics International*,
DOI: 10.1016/j.ceramint.2020.09.213
13. Alumina-toughened zirconia for dental applications: Physicochemical, mechanical, optical, and residual stress characterization after artificial aging
(2020) *Journal of Biomedical Materials Research - Part B Applied Biomaterials*,
DOI: 10.1002/jbm.b.34776
14. Current advances in bone tissue engineering concerning ceramic and bioglass scaffolds: A review
(2019) *Ceramics International*,
DOI: 10.1016/j.ceramint.2019.07.096
15. Cold Atmospheric Pressure Plasma Jet Reduces *Trichophyton rubrum* Adherence and Infection Capacity
(2019) *Mycopathologia*,
DOI: 10.1007/s11046-019-00375-2
16. Enhanced water uptake of PHBV scaffolds with functionalized cellulose nanocrystals
(2019) *Polymer Testing*,
DOI: 10.1016/j.polymertesting.2019.106079
17. Influence of CNT pre-dispersion into PHBV/CNT nanocomposites and evaluation of morphological, mechanical and crystallographic features
(2019) *Materials Research Express*,
DOI: 10.1088/2053-1591/ab42ed
18. Synthesis of novel ZnO/carbon xerogel composites: Effect of carbon content and calcination temperature on their structural and photocatalytic properties
(2019) *Ceramics International*,
DOI: 10.1016/j.ceramint.2018.11.027
19. Recent advances in the use of carbon nanotubes as smart biomaterials
(2019) *Journal of Materials Chemistry B*,
DOI: 10.1039/c8tb02419g
20. Carbon Nanostructure-based Sensors: A Brief Review on Recent Advances
(2019) *Advances in Materials Science and Engineering*,
DOI: 10.1155/2019/4293073
21. Preparation, characterization, and application of low-cost açai seed-based activated carbon for phenol adsorption
(2018) *International Journal of Environmental Research*,
DOI: 10.1007/s41742-018-0128-5
22. Effects of octadecylamine functionalization of carbon nanotubes on dispersion, polarity, and mechanical properties of CNT/HDPE nanocomposites
(2018) *Journal of Materials Science*,
DOI: 10.1007/s10853-018-2627-3
23. TiO₂-Carbon composite using coconut waste as carbon source: Sonocatalysis and adsorption evaluation
(2018) *Surfaces and Interfaces*,
DOI: 10.1016/j.surfin.2018.04.008

24. Novel synthetic route for low-cost carbon-modified TiO₂ with enhanced visible light photocatalytic activity: carbon content and calcination effects
(2018) Journal of Sol-Gel Science and Technology,
DOI: 10.1007/s10971-018-4700-4
25. Methylene blue photodegradation employing hexagonal prism-shaped niobium oxide as heterogeneous catalyst: Effect of catalyst dosage, dye concentration, and radiation source
(2018) Materials Chemistry and Physics,
DOI: 10.1016/j.matchemphys.2018.04.063
26. Effect of Nb/C ratio in the morphological, structural, optical and photocatalytic properties of novel and inexpensive Nb₂O₅/carbon xerogel composites
(2018) Ceramics International,
DOI: 10.1016/j.ceramint.2018.01.073
27. Functionalized cellulose nanocrystals as reinforcement in biodegradable polymer nanocomposites
(2018) Polymer Composites,
DOI: 10.1002/pc.24583
28. Synthesis of graphene oxide and functionalized CNT nanocomposites based on epoxy resin
(2018) Journal of Aerospace Technology and Management,
DOI: 10.5028/jatm.v10.944
29. A novel synthesis route of titanium dioxide with (NH₄)_{0.3}TiO_{1.1}F_{2.1} as by-product
(2017) Ceramics International,
DOI: 10.1016/j.ceramint.2017.07.078
30. How Do CNT affect the branch and crosslink reactions in CNT-epoxy
(2017) Materials Research Express,
DOI: 10.1088/2053-1591/aa8d31
31. Influence of carbon nanotube concentration and sonication temperature on mechanical properties of HDPE/CNT nanocomposites
(2017) Fullerenes Nanotubes and Carbon Nanostructures,
DOI: 10.1080/1536383X.2017.1359553
32. The sonication effect on CNT-epoxy composites finally clarified
(2017) Polymer Composites,
DOI: 10.1002/pc.23767
33. Dodecylamine functionalization of carbon nanotubes to improve dispersion, thermal and mechanical properties of polyethylene based nanocomposites
(2017) Applied Surface Science,
DOI: 10.1016/j.apsusc.2017.03.098
34. Understanding the water uptake in F-161 glass-epoxy composites using the techniques of luminescence spectroscopy and FT-NIR
(2017) Polimeros,
DOI: 10.1590/0104-1428.05516
35. Correlation of surface treatment, dispersion and mechanical properties of HDPE/CNT nanocomposites
(2016) Applied Surface Science,
DOI: 10.1016/j.apsusc.2016.07.164

36. Carbon and TiO₂ synergistic effect on methylene blue adsorption
(2016) Materials Chemistry and Physics,
DOI: 10.1016/j.matchemphys.2016.04.035
37. Energetic and electronic properties in a multilayered ZnO graphene-like nanostructure
(2016) Materials Research,
DOI: 10.1590/1980-5373-MR-2015-0432
38. Adsorbed water on iron surface by molecular dynamics
(2016) Applied Surface Science,
DOI: 10.1016/j.apsusc.2015.11.143
39. Functionalization of graphene and applications
(2016) SpringerBriefs in Applied Sciences and Technology,
DOI: 10.1007/978-3-319-35110-0_1
40. Functionalization of carbon nanotube and applications
(2016) SpringerBriefs in Applied Sciences and Technology,
DOI: 10.1007/978-3-319-35110-0_2
41. Carbon nanotube functionalized with dodecylamine for the effective dispersion in solvents
(2015) Applied Surface Science,
DOI: 10.1016/j.apsusc.2015.09.202
42. Functionalization of multi-walled carbon nanotube and mechanical property of epoxy-based nanocomposite
(2015) Journal of Aerospace Technology and Management,
DOI: 10.5028/jatm.v7i3.485
43. Cr total removal in aqueous solution by PHENOTAN AP based tannin gel (TFC)
(2015) Journal of Environmental Chemical Engineering,
DOI: 10.1016/j.jece.2015.04.006
44. Anomalous behavior of thermal stability of amino-carbon nanotube-epoxy nanocomposite
(2015) Journal of Composite Materials,
DOI: 10.1177/0021998314559280
45. Effect of cure temperature on the formation of metakaolinite-based geopolymer
(2015) Ceramics International,
DOI: 10.1016/j.ceramint.2015.02.022
46. Sonocatalytic degradation of methylene blue in the presence of TiO₂ doped carbon nanostructures-catalytic and adsorption comparison by different carbon forms
(2015) Fullerenes Nanotubes and Carbon Nanostructures,
DOI: 10.1080/1536383X.2014.989428
47. Influence of carbon nanotubes on epoxy resin cure reaction using different techniques: A comprehensive review
(2014) Polymer Engineering and Science,
DOI: 10.1002/pen.23775
48. Mullite crystallization using fully hydrolyzed silica sol: The gelation temperature influence
(2014) Journal of Sol-Gel Science and Technology,
DOI: 10.1007/s10971-014-3285-9

49. Influence of ethylene glycol on the mullite crystallization processes analyzed by Rietveld refinement
(2013) Journal of Aerospace Technology and Management,
DOI: 10.5028/jatm.v5i4.273
50. Activated carbon derived from macadamia nut shells: An effective adsorbent for phenol removal
(2013) Journal of Porous Materials,
DOI: 10.1007/s10934-012-9635-5
51. Preparation of nodular carbon cryogel from simple and inexpensive polycondensation reaction of commercial modified black wattle tannin
(2013) Journal of Sol-Gel Science and Technology,
DOI: 10.1007/s10971-013-3109-3
52. Cure study of epoxy resin reinforced with multiwalled carbon nanotubes by Raman and luminescence spectroscopy
(2013) Journal of Applied Polymer Science,
DOI: 10.1002/app.37815
53. Phenol removal from aqueous solution by carbon xerogel
(2012) Journal of Sol-Gel Science and Technology,
DOI: 10.1007/s10971-012-2745-3
54. Adsorption of phosphate from aqueous solution by hydrous zirconium oxide
(2012) Environmental Technology (United Kingdom),
DOI: 10.1080/09593330.2011.632651
55. Effect of ethylene glycol on the mullite crystallization
(2012) Journal of the European Ceramic Society,
DOI: 10.1016/j.jeurceramsoc.2011.09.028
56. Urea effect on the mechanism of mullite crystallization
(2011) Journal of Materials Science,
DOI: 10.1007/s10853-011-5699-x
57. Phenol removal from aqueous solution by activated carbon produced from avocado kernel seeds
(2011) Chemical Engineering Journal,
DOI: 10.1016/j.cej.2011.08.027
58. Study of curing process of glass fiber and epoxy resin composite by FT-NIR, photoacoustic spectroscopy and luminescence spectroscopy
(2011) Journal of Materials Science,
DOI: 10.1007/s10853-010-5005-3
59. The kinetic of mullite crystallization: Effect of water content
(2010) Journal of Non-Crystalline Solids,
DOI: 10.1016/j.jnoncrysol.2010.05.078
60. Effect of urea on the mullite crystallization
(2010) Journal of Non-Crystalline Solids,
DOI: 10.1016/j.jnoncrysol.2010.05.076
61. Thermal curing of glass-epoxy prepregs by luminescence spectroscopy
(2010) Journal of Applied Polymer Science,
DOI: 10.1002/app.31953
62. Review of mullite synthesis routes by sol-gel method

(2010) Journal of Sol-Gel Science and Technology,
DOI: 10.1007/s10971-010-2222-9

63. A Lennard-Jones plus Coulomb potential for Al³⁺ ions in aqueous solutions
(2010) Journal of Chemical Physics,
DOI: 10.1063/1.3364110