

Dionysios E Mouzakis

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

537
citations

758635

12
h-index

676716

22
g-index

39
all docs

39
docs citations

39
times ranked

574
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Exploring the Limits of Euler-Bernoulli Theory in Micromechanics. <i>Axioms</i> , 2022, 11, 142. | 0.9 | 2 |
| 2 | Comparative Studies of Undoped/Al-Doped/In-Doped ZnO Transparent Conducting Oxide Thin Films in Optoelectronic Applications. <i>Chemosensors</i> , 2022, 10, 162. | 1.8 | 9 |
| 3 | The synergistic effect on the thermomechanical and electrical properties of carbonaceous hybrid polymer nanocomposites. <i>Polymer Testing</i> , 2021, 95, 107102. | 2.3 | 13 |
| 4 | Nondestructive Contactless Monitoring of Damage in Joints between Composite Structural Components Incorporating Sensing Elements via 3D-Printing. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3230. | 1.3 | 3 |
| 5 | Advances in Wearable Chemosensors. <i>Chemosensors</i> , 2021, 9, 99. | 1.8 | 6 |
| 6 | Mechanical Testing and Modeling of the Time-Temperature Superposition Response in Hybrid Fiber Reinforced Composites. <i>Polymers</i> , 2021, 13, 1178. | 2.0 | 7 |
| 7 | A Versatile Interrogation-Free Magnetoelastic Resonator Design for Detecting Deterioration-Inducing Agents. <i>Lecture Notes in Civil Engineering</i> , 2021, , 113-119. | 0.3 | 2 |
| 8 | Inducing Damage Diagnosis Capabilities in Carbon Fiber Reinforced Polymer Composites by Magnetoelastic Sensor Integration via 3D Printing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1029. | 1.3 | 7 |
| 9 | Comparing the rheological and reinforcing effects of graphene oxide on glassy and semicrystalline polymers. <i>Polymer Engineering and Science</i> , 2019, 59, 1933-1947. | 1.5 | 5 |
| 10 | Preparation, characterization and <i>in vitro</i> assessment of ibuprofen loaded calcium phosphate/gypsum bone cements. <i>Crystal Research and Technology</i> , 2016, 51, 41-48. | 0.6 | 22 |
| 11 | Influence of artificially-induced porosity on the compressive strength of calcium phosphate bone cements. <i>Journal of Biomaterials Applications</i> , 2016, 31, 112-120. | 1.2 | 3 |
| 12 | Damage assessment of carbon fiber reinforced composites under accelerated aging and validation via stochastic model-based analysis. <i>International Journal of Damage Mechanics</i> , 2014, 23, 702-726. | 2.4 | 8 |
| 13 | Finite element simulation of the mechanical impact of computer work on the carpal tunnel syndrome. <i>Journal of Biomechanics</i> , 2014, 47, 2989-2994. | 0.9 | 15 |
| 14 | On the Toughness Response of iPP and sPP/MWNT Nanocomposites. <i>Strain</i> , 2013, 49, 348-353. | 1.4 | 8 |
| 15 | Dynamic Mechanical Properties of Tissue after Long-Term Implantation of Collagen and Polypropylene Meshes in Animal Models. <i>Open Journal of Urology</i> , 2013, 03, 155-159. | 0.0 | 2 |
| 16 | Statistical damage diagnosis in smart systems via contact-free MetGlas® sensors and stochastic non-linear modelling of system output data. <i>International Journal of Materials and Product Technology</i> , 2011, 41, 39. | 0.1 | 2 |
| 17 | Comprehensive Modeling of the Viscoelastic Relaxation Behavior of Polypropylene Tension Free Urinary Incontinence Tapes. <i>Advanced Science, Engineering and Medicine</i> , 2011, 3, 183-187. | 0.3 | 0 |
| 18 | Dynamic Mechanical Properties of a Maxillofacial Silicone Elastomer Incorporating a ZnO Additive. <i>Journal of Craniofacial Surgery</i> , 2010, 21, 1867-1871. | 0.3 | 12 |

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|----|---|-----|-----------|
| 19 | Experimental and numerical determination of the mechanical response of teeth with reinforced posts. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 035009. | 1.7 | 8 |
| 20 | Application of Thin-Film Contact-Free Magneto-Elastic Sensors and Stochastic Nonlinear Modeling to System Damage Diagnosis. <i>Science of Advanced Materials</i> , 2010, 2, 230-238. | 0.1 | 2 |
| 21 | Dynamic Mechanical Properties of Calcium Alginate-Hydroxyapatite Nanocomposite Hydrogels. <i>Science of Advanced Materials</i> , 2010, 2, 239-242. | 0.1 | 24 |
| 22 | Study of the stress oscillation phenomenon in syndiotactic polypropylene/montmorillonite nanocomposites. <i>EXPRESS Polymer Letters</i> , 2010, 4, 244-251. | 1.1 | 8 |
| 23 | Contact-Free Magnetoelastic Smart Microsensors With Stochastic Noise Filtering for Diagnosing Orthopedic Implant Failures. <i>IEEE Transactions on Industrial Electronics</i> , 2009, 56, 1092-1100. | 5.2 | 15 |
| 24 | Polyethylene terephthalateâ€“multiwall nanotubes nanocomposites: Effect of nanotubes on the conformations, crystallinity and crystallization behavior of PET. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 668-676. | 2.4 | 39 |
| 25 | Interphase modeling of copperâ€“epoxy particulate composites subjected to static and dynamic loading. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1150-1160. | 1.3 | 11 |
| 26 | Viscoelastic Property Mapping along Encrusted Polymeric Urinary Catheters. <i>Journal of Endourology</i> , 2008, 22, 1761-1770. | 1.1 | 0 |
| 27 | Early failure of a zirconia femoral head prosthesis: Fracture or fatigue?. <i>Clinical Biomechanics</i> , 2007, 22, 856-860. | 0.5 | 16 |
| 28 | Vickers Hardness Studies of Calcium Oxalate Monohydrate and Brushite Urinary Stones. <i>Journal of Endourology</i> , 2006, 20, 59-63. | 1.1 | 4 |
| 29 | Aging Assessment by Dynamic Mechanical Analysis of in Vivo Encrusted Polymeric Urinary Stents. <i>Journal of Endourology</i> , 2006, 20, 64-68. | 1.1 | 7 |
| 30 | Ultraviolet Radiation Induced Cold Chemiâ€“Crystallization in Syndiotactic Polypropylene Clayâ€“Nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 259-267. | 1.2 | 14 |
| 31 | Effect of Carboxy-Functionalized Multiwall Nanotubes (MWNTâˆ“COOH) on the Crystallization and Chain Conformations of Poly(ethylene terephthalate) PET in PETâˆ“MWNT Nanocomposites. <i>Macromolecules</i> , 2006, 39, 9150-9156. | 2.2 | 85 |
| 32 | Static and dynamic behavior of single-edge notched glass fabric composites. <i>Polymer Composites</i> , 2006, 27, 177-183. | 2.3 | 9 |
| 33 | A 2826MB Metglas ribbon as a strain sensor for remote and dynamic mechanical measurements. <i>Sensors and Actuators A: Physical</i> , 2006, 127, 355-359. | 2.0 | 9 |
| 34 | Fracture toughness assessment of poly(ethylene terephthalate) blends with glycidyl methacrylate modified polyolefin elastomer using essential work of fracture method. <i>Journal of Applied Polymer Science</i> , 2001, 79, 842-852. | 1.3 | 48 |
| 35 | Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 179-182. | 0.5 | 3 |
| 36 | Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 1615-1619. | 0.5 | 46 |

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|----|---|-----|-----------|
| 37 | Instrumented tensile and falling weight impact response of injection-molded α - and β -phase polypropylene homopolymers with various melt flow indices. Journal of Applied Polymer Science, 1999, 73, 1205-1214. | 1.3 | 49 |
| 38 | Advanced Technologies in Manufacturing 3D-Layered Structures for Defense and Aerospace. , 0, , . | | 13 |
| 39 | Space environment effects on equipment and structuresâ€”current and future technologies. Journal of Defense Modeling and Simulation, 0, , 154851292110330. | 1.2 | 1 |