

# Dionysios E Mouzakis

## List of Publications by Year in descending order

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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	Effect of Carboxy-Functionalized Multiwall Nanotubes (MWNT <sup>~</sup> COOH) on the Crystallization and Chain Conformations of Poly(ethylene terephthalate) PET in PET <sup>~</sup> MWNT Nanocomposites. <i>Macromolecules</i> , 2006, 39, 9150-9156.	2.2	85
2	Instrumented tensile and falling weight impact response of injection-molded $\alpha$ - and $\beta$ -phase polypropylene homopolymers with various melt flow indices. <i>Journal of Applied Polymer Science</i> , 1999, 73, 1205-1214.	1.3	49
3	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
4	Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 1615-1619.	0.5	46
5	Polyethylene terephthalate <sup>~</sup> 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
6	Dynamic Mechanical Properties of Calcium Alginate-Hydroxyapatite Nanocomposite Hydrogels. <i>Science of Advanced Materials</i> , 2010, 2, 239-242.	0.1	24
7	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
8	Early failure of a zirconia femoral head prosthesis: Fracture or fatigue?. <i>Clinical Biomechanics</i> , 2007, 22, 856-860.	0.5	16
9	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
10	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
11	Ultraviolet Radiation Induced Cold Chemi <sup>~</sup> Crystallization in Syndiotactic Polypropylene Clay <sup>~</sup> Nanocomposites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 259-267.	1.2	14
12	Advanced Technologies in Manufacturing 3D-Layered Structures for Defense and Aerospace. , 0, , .		13
13	The synergistic effect on the thermomechanical and electrical properties of carbonaceous hybrid polymer nanocomposites. <i>Polymer Testing</i> , 2021, 95, 107102.	2.3	13
14	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
15	Interphase modeling of copper <sup>~</sup> epoxy particulate composites subjected to static and dynamic loading. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1150-1160.	1.3	11
16	Static and dynamic behavior of single-edge notched glass fabric composites. <i>Polymer Composites</i> , 2006, 27, 177-183.	2.3	9
17	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
18	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

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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	On the Toughness Response of iPP and sPP/MWNT Nanocomposites. <i>Strain</i> , 2013, 49, 348-353.	1.4	8
21	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
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	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
24	Mechanical Testing and Modeling of the Time-Temperature Superposition Response in Hybrid Fiber Reinforced Composites. <i>Polymers</i> , 2021, 13, 1178.	2.0	7
25	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
26	Advances in Wearable Chemosensors. <i>Chemosensors</i> , 2021, 9, 99.	1.8	6
27	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
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	Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 179-182.	0.5	3
30	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
31	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
32	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
33	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
34	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
35	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
36	Exploring the Limits of Euler-Bernoulli Theory in Micromechanics. <i>Axioms</i> , 2022, 11, 142.	0.9	2

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37	Space environment effects on equipment and structuresâ€”current and future technologies. Journal of Defense Modeling and Simulation, 0, , 154851292110330.	1.2	1
38	Viscoelastic Property Mapping along Encrusted Polymeric Urinary Catheters. Journal of Endourology, 2008, 22, 1761-1770.	1.1	0
39	Comprehensive Modeling of the Viscoelastic Relaxation Behavior of Polypropylene Tension Free Urinary Incontinence Tapes. Advanced Science, Engineering and Medicine, 2011, 3, 183-187.	0.3	0