

Artemis Stamboulis

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71
papers

2,843
citations

23
h-index

53
g-index

73
ext. papers

3,080
ext. citations

4.5
avg, IF

4.71
L-index

#	Paper	IF	Citations
71	Catalyst-Free Efficient Growth, Orientation and Biosensing Properties of Multilayer Graphene Nanoflake Films with Sharp Edge Planes. <i>Advanced Functional Materials</i> , 2008 , 18, 3506-3514	15.6	699
70	Surface characterization of flax, hemp and cellulose fibers; Surface properties and the water uptake behavior. <i>Polymer Composites</i> , 2002 , 23, 872-894	3	291
69	Effects of environmental conditions on mechanical and physical properties of flax fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001 , 32, 1105-1115	8.4	289
68	Environmental Durability of Flax Fibres and their Composites based on Polypropylene Matrix. <i>Applied Composite Materials</i> , 2000 , 7, 273-294	2	202
67	Self-assembled growth, microstructure, and field-emission high-performance of ultrathin diamond nanorods. <i>ACS Nano</i> , 2009 , 3, 1032-8	16.7	113
66	Characterization of the structure of calcium alumino-silicate and calcium fluoro-alumino-silicate glasses by magic angle spinning nuclear magnetic resonance (MAS-NMR). <i>Journal of Non-Crystalline Solids</i> , 2004 , 333, 101-107	3.9	104
65	The influence of strontium substitution in fluorapatite glasses and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2004 , 336, 223-229	3.9	94
64	Tailoring Crystallinity of Electrospun Plla Fibres by Control of Electrospinning Parameters. <i>Polymers</i> , 2012 , 4, 1331-1348	4.5	75
63	Mechanical properties of biodegradable polymer sutures coated with bioactive glass. <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 843-8	4.5	72
62	Novel Biodegradable Polymer/Bioactive Glass Composites for Tissue Engineering Applications. <i>Advanced Engineering Materials</i> , 2002 , 4, 105	3.5	70
61	Interfacial characterisation of flax fibre-thermoplastic polymer composites by the pull-out test. <i>Angewandte Makromolekulare Chemie</i> , 1999 , 272, 117-120		67
60	Uptake of Sr ²⁺ and Co ²⁺ into biogenic hydroxyapatite: implications for biomineral ion exchange synthesis. <i>Environmental Science & Technology</i> , 2011 , 45, 6985-90	10.3	60
59	Characterisation of commercial ionomer glasses using magic angle nuclear magnetic resonance (MAS-NMR). <i>Biomaterials</i> , 2004 , 25, 3907-13	15.6	55
58	Characterisation of fluorine containing glasses by ¹⁹ F, ²⁷ Al, ²⁹ Si and ³¹ P MAS-NMR spectroscopy. <i>Journal of Dentistry</i> , 2006 , 34, 525-32	4.8	38
57	Antimicrobial peptide coatings for hydroxyapatite: electrostatic and covalent attachment of antimicrobial peptides to surfaces. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	35
56	Real-Time Nucleation and Crystallization Studies of a Fluorapatite Glass/Ceramics Using Small-Angle Neutron Scattering and Neutron Diffraction. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 763-768	3.8	35
55	Structural characterization of fluorine containing glasses by ¹⁹ F, ²⁷ Al, ²⁹ Si and ³¹ P MAS-NMR spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 3289-3295	3.9	35

54	Early osseointegration of a strontium containing glass ceramic in a rabbit model. <i>Biomaterials</i> , 2013 , 34, 9278-86	15.6	34
53	Structural characterization of ionomer glasses by multinuclear solid state MAS-NMR spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 237-243	3.9	34
52	Methodological challenges in researching threshold concepts: a comparative analysis of three projects. <i>Higher Education</i> , 2013 , 66, 585-601	3	33
51	Active screen plasma nitriding enhances cell attachment to polymer surfaces. <i>Applied Surface Science</i> , 2013 , 273, 787-798	6.7	24
50	The influence of montmorillonite clay reinforcement on the performance of a glass ionomer restorative. <i>Journal of Dentistry</i> , 2006 , 34, 802-10	4.8	24
49	Biocompatibility of a new biodegradable polymer-hydroxyapatite composite for biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 38, 72-77	4.5	23
48	MAS-NMR spectroscopy studies in the setting reaction of glass ionomer cements. <i>Journal of Dentistry</i> , 2006 , 34, 574-81	4.8	23
47	Effect of plasma surface modification on the biocompatibility of UHMWPE. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 054102	3.5	22
46	Polyhydroxybutyrate accumulation by a <i>Serratia</i> sp. <i>Biotechnology Letters</i> , 2008 , 30, 481-91	3	20
45	Influence of calcination on the sol-gel synthesis of lanthanum oxide nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	17
44	Peptide aptamers: Novel coatings for orthopaedic implants. <i>Materials Science and Engineering C</i> , 2015 , 54, 84-93	8.3	16
43	Kinetics of Curing of Unsaturated Polyesters in the Presence of Organic and Inorganic Fillers. <i>Polymer International</i> , 1997 , 43, 380-384	3.3	16
42	Influence of fluorine content on the crystallization behavior of apatite-wollastonite glass-ceramics. <i>Journal of Materials Science</i> , 2004 , 39, 2601-2603	4.3	16
41	Improved Prediction of Young's Modulus of Fluorine-Containing Glasses Using MAS-NMR Structural Data. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1271-1277	3.8	14
40	Mechanical testing of antimicrobial biocomposite coating on metallic medical implants as drug delivery system. <i>Materials Science and Engineering C</i> , 2019 , 104, 109757	8.3	13
39	Nanoclays reinforced glass ionomer cements: dispersion and interaction of polymer grade (PG) montmorillonite with poly(acrylic acid). <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 91-94	4.5	13
38	A MAS-NMR and Combined Rietveldt Study of Mixed Calcium/Strontium Fluorapatite Glass-Ceramics. <i>Key Engineering Materials</i> , 2006 , 309-311, 305-308	0.4	13
37	Functionalisation of Ti6Al4V and hydroxyapatite surfaces with combined peptides based on KKLPGA and EEEEEEEE peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 154-160	6	11

36	Electrospun Fibres of Polyhydroxybutyrate Synthesized by <i>Ralstonia eutropha</i> from Different Carbon Sources. <i>International Journal of Polymer Science</i> , 2014 , 2014, 1-11	2.4	11
35	Real time neutron diffraction and solid state NMR of high strength apatite/mullite glass ceramic. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2693-2698	3.9	11
34	Polyethylene glycol assisted facile sol-gel synthesis of lanthanum oxide nanoparticles: Structural characterizations and photoluminescence studies. <i>Ceramics International</i> , 2019 , 45, 424-431	5.1	11
33	Effect of nanoclay dispersion on the properties of a commercial glass ionomer cement. <i>International Journal of Biomaterials</i> , 2014 , 2014, 685389	3.2	9
32	Nitrogen plasma surface modification enhances cellular compatibility of aluminosilicate glass. <i>Materials Letters</i> , 2013 , 111, 225-229	3.3	8
31	Nanoclay addition to a conventional glass ionomer cements: Influence on physical properties. <i>European Journal of Dentistry</i> , 2014 , 8, 456-463	2.6	8
30	Fe catalytic growth, microstructure, and low-threshold field emission properties of open ended tubular graphite cones. <i>Journal of Applied Physics</i> , 2008 , 103, 124308	2.5	8
29	Effect of zinc substitution for calcium on the crystallisation of calcium fluoro-alumino-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 432, 300-306	3.9	7
28	Types of ceramics 2017 , 21-82		7
27	Solid State MAS-NMR and FTIR Study of Barium Containing Alumino-Silicate Glasses. <i>Key Engineering Materials</i> , 2007 , 361-363, 825-828	0.4	6
26	Correlation between structure and electrical conductivity of soluble polyphenylenes. <i>Acta Polymerica</i> , 1993 , 44, 294-301		6
25	Sol-gel preparation of apatite-coated silica microspheres from water glass and their adsorption of bovine serum albumin and lysozyme. <i>Journal of the Ceramic Society of Japan</i> , 2012 , 120, 355-361	1	5
24	Electrospun poly(vinyl alcohol) as a template of silica hollow and solid micro-fibrous mats. <i>Journal of the Ceramic Society of Japan</i> , 2012 , 120, 520-524	1	5
23	Real Time Neutron Diffraction Studies of Apatite Glass Ceramics. <i>Key Engineering Materials</i> , 2006 , 309-311, 309-312	0.4	5
22	Selective modification of Ti6Al4V surfaces for biomedical applications.. <i>RSC Advances</i> , 2020 , 10, 17642-17652	3.6	4
21	An X-ray micro-fluorescence study to investigate the distribution of Al, Si, P and Ca ions in the surrounding soft tissue after implantation of a calcium phosphate-mullite ceramic composite in a rabbit animal model. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2537-43	4.5	4
20	The effects of the proportion of biphenyl-AlCl ₃ -CuCl ₂ polymerization system on structure and electrical conductivity of insoluble polyphenylenes. <i>Angewandte Makromolekulare Chemie</i> , 1993 , 213, 181-196		4
19	The effect of boron substitution for aluminium on the microstructure of calcium fluoro-aluminosilicate glasses and glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1918-1924	6	4

18	Time-resolved and fluorescence excitation-emission matrix measurements of lanthanide (Gd ³⁺ , Tb ³⁺ and Dy ³⁺) doped silver-zinc borate glasses. <i>Materials Letters</i> , 2020 , 273, 127935	3.3	3
17	A MAS NMR Study of the Crystallisation Process of Apatite-Mullite Glass-Ceramics. <i>Key Engineering Materials</i> , 2003 , 254-256, 99-102	0.4	3
16	Nanoclay-Reinforced Glass-Ionomer Cements: In Vitro Wear Evaluation and Comparison by Two Wear-Test Methods. <i>Dentistry Journal</i> , 2017 , 5,	3.1	2
15	Activation energy for crystal growth in stoichiometric CaAl ₂ Si ₂ O ₈ and Ca ₂ Al ₂ Si ₂ O ₉ glasses. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1287-1289		2
14	Specifiable biomimetic microsponges for timed release of crystal entrapped biomolecules useful in bone repair. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7143-7148	7.3	2
13	Polydopamine Linking Substrate for AMPs: Characterisation and Stability on Ti6Al4V. <i>Materials</i> , 2020 , 13,	3.5	2
12	Characterization of Undoped and Doped Isomeric o,m,p-Polyphenylenes by X-ray, FTIR and Electrical Conductivity Measurements. <i>International Journal of Polymer Analysis and Characterization</i> , 1995 , 1, 175-183	1.7	1
11	A Mechanical Model for an Artificial Oocyte. <i>International Journal of Modeling and Optimization</i> , 2017 , 7, 315-321	0.9	1
10	Sequenced Somatic Cell Reprogramming and Differentiation Inside Nested Hydrogel Droplets. <i>Advanced Biology</i> , 2020 , 4, e2000071	3.5	1
9	Time-resolved and excitation-emission matrix luminescence behaviour of boro-silicate glasses doped with Eu ³⁺ ions for red luminescent application. <i>Materials Research Bulletin</i> , 2021 , 140, 111340	5.1	1
8	Synthetic tissue engineering with smart, cytomimetic protocells. <i>Biomaterials</i> , 2021 , 276, 120941	15.6	1
7	Lithography-based manufacturing of advanced ceramics for orthopaedic applications: A comparative tribological study. <i>Open Ceramics</i> , 2021 , 8, 100170	3.3	0
6	Use of Inter-Fibril Spaces Among Electrospun Fibrils as Ion-Fixation and Nano-Crystallization. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 33-38	0.1	
5	Ionomer Glasses: Design and Characterization 2010 , 411-433		
4	Sol-Gel Preparation of HAp-Coated Silica Macrospheres from Water Glass and their Protein Adsorption. <i>Key Engineering Materials</i> , 2012 , 529-530, 637-640	0.4	
3	Accumulation of polyhydroxybutyrate by a <i>Serratia</i> sp.. <i>Journal of Biotechnology</i> , 2008 , 136, S406-S407	3.7	
2	Crystallisation of Apatite Stoichiometric Ionomer Glasses for Medical Applications and Optoelectronics 2005 , 395-398		
1	Antimicrobial Bioceramics for Biomedical Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2022 , 159-193	0.6	

