

Philip C Boughton

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

659
citations

687363

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h-index

610901

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54
docs citations

54
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of mechanical and biological properties of porous CaSiO ₃ scaffolds by poly(d,l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock	8.3	157
2	Cranioplasty and Craniofacial Reconstruction: A Review of Implant Material, Manufacturing Method and Infection Risk. Applied Sciences (Switzerland), 2017, 7, 276.	2.5	54
3	Topically Applied Connective Tissue Growth Factor/CCN2 Improves Diabetic Preclinical Cutaneous Wound Healing: Potential Role for CTGF in Human Diabetic Foot Ulcer Healing. Journal of Diabetes Research, 2015, 2015, 1-10.	2.3	43
4	The Use of Porous Scaffold as a Tumor Model. International Journal of Biomaterials, 2013, 2013, 1-9.	2.4	35
5	A novel primate model of delayed wound healing in diabetes: dysregulation of connective tissue growth factor. Diabetologia, 2010, 53, 572-583.	6.3	32
6	Restoration of compressive loading properties of lumbar discs with a nucleus implant—a finite element analysis study. Spine Journal, 2010, 10, 602-609.	1.3	30
7	Advances in Hydrogels Applied to Degenerative Diseases. Current Pharmaceutical Design, 2012, 18, 2558-2575.	1.9	29
8	Chemically modified fly ash for fabricating super-strong biodegradable poly(vinyl alcohol) composite films. Journal of Materials Science, 2010, 45, 2625-2632.	3.7	24
9	Quantitative <i>in vitro</i> assessment of Mg ₆₅ Zn ₃₀ Ca ₅ degradation and its effect on cell viability. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 43-49.	3.4	19
10	Review: Photochemical Tissue Bonding (PTB) methods for sutureless tissue adhesion. International Journal of Adhesion and Adhesives, 2016, 71, 87-98.	2.9	18
11	Reduction of ARNT in myeloid cells causes immune suppression and delayed wound healing. American Journal of Physiology - Cell Physiology, 2014, 307, C349-C357.	4.6	17
12	Light treatments of nail fungal infections. Journal of Biophotonics, 2018, 11, e201700350.	2.3	16
13	Modelling and Optimization of Polycaprolactone Ultrafine-Fibres Electrospinning Process Using Response Surface Methodology. Materials, 2018, 11, 441.	2.9	15
14	The Effect of Rotating Collector Design on Tensile Properties and Morphology of Electrospun Polycaprolactone Fibres. MATEC Web of Conferences, 2015, 27, 02002.	0.2	12
15	A Novel Method for Single Sample Multi-Axial Nanoindentation of Hydrated Heterogeneous Tissues Based on Testing Great White Shark Jaws. PLoS ONE, 2013, 8, e81196.	2.5	11
16	Sterilization of tissue scaffolds. , 2016, , 225-244.		11
17	High-strength biodegradable poly(vinyl alcohol)/fly ash composite films. Journal of Applied Polymer Science, 2010, 117, 114-121.	2.6	9
18	A Kangaroo Spine Lumbar Motion Segment Model: Biomechanical Analysis of a Novel & In Situ Curing Nucleus Replacement Device. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 9, 25-35.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Two-body wear test of enamel against laboratory polished and clinically adjusted zirconia. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103760.	3.1	9
20	Characterisation of a novel light activated adhesive scaffold: Potential for device attachment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 62, 433-445.	3.1	8
21	An interpenetrating network composite for a regenerative spinal disc application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 842-848.	3.1	8
22	Clinical evaluation of rapid 3D printed implants for surgical reconstruction of large cranial defects. <i>ANZ Journal of Surgery</i> , 2021, 91, 1226-1232.	0.7	8
23	Nanoindentation studies on silver nanoparticles. , 2013, , .		7
24	Mechanical and Cytocompatibility Evaluation of UHMWPE/PCL/Bioglass® Fibrous Composite for Acetabular Labrum Implant. <i>Materials</i> , 2019, 12, 916.	2.9	7
25	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. <i>Advanced Therapeutics</i> , 2019, 2, 1800105.	3.2	7
26	A Ceramic-Polymer Functionally Graded Material: A Novel Disk Prosthesis. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 593-600.	0.1	7
27	Growth of DLD-1 Colon Cancer Cells on Variotisâ„¢ Scaffolds of Controlled Porosity: A Preliminary Study. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 0, 8, 79-89.	0.7	5
28	A dynamic perfusion bioreactor approach for engineering respiratory tissues in-vitro. , 2013, 2013, 6224-7.		5
29	Fabrication and Microstructure Evaluation of Fibrous Composite for Acetabular Labrum Implant. <i>Materials Science Forum</i> , 0, 900, 17-22.	0.3	5
30	Protection From the Second Warm Ischemic Injury in Kidney Transplantation Using an Ex Vivo Porcine Model and Thermally Insulating Jackets. <i>Transplantation Proceedings</i> , 2021, 53, 750-754.	0.6	5
31	Methods for Achieving Soft Tissue Scaffold Sterility. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 0, 4, 59-69.	0.7	4
32	An Interlocking Ligamentous Spinal Disk Arthroplasty with Neural Network Infrastructure. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2010, 7, 55-79.	0.7	4
33	Steady-State Visual-Evoked Potentials as a Biomarker for Concussion: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 171.	2.8	4
34	Functional Ultra-High Molecular Weight Polyethylene Composites for Ligament Reconstructions and Their Targeted Applications in the Restoration of the Anterior Cruciate Ligament. <i>Polymers</i> , 2022, 14, 2189.	4.5	4
35	Development of a Novel Biomimetic Dental Wear System. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2012, 15, 23-35.	0.7	3
36	Development of 3D Antibiotic-Eluting Bioresorbable Scaffold with Attenuating Envelopes. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 0, 15, 55-62.	0.7	2

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37	A Novel Dynamic 3-Dimensional Construct for Respiratory Tissue Engineering. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 14, 31-42.	0.7	2
38	The influence of low-temperature sterilization procedures on piezoelectric ceramics for biomedical applications. Open Ceramics, 2021, 7, 100143.	2.0	2
39	A Novel Patient-Specific Regenerative Meniscal Replacement System. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 16, 83-95.	0.7	1
40	Nanoindentation studies on composites of CuO nanoparticles-lithia silica nanoglass. , 2012, , .		1
41	Functional gradients in natural and biomimetic spinal disk structures. , 2013, , 127-150.		1
42	High creep strain rates observed in nanocrystalline $\hat{\pm}$ -Fe ₂ O ₃ particles by nanoindentation measurement. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 1-7.	5.6	1
43	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment. , 2019, , .		1
44	A Systematic Review for Anterior Cruciate Ligament Reconstruction. Journal of Anesthesia and Surgery, 2016, 3, 1-9.	0.1	1
45	Design Review & Preliminary Testing for a Biomimetic Absorbable Ligament Anchor. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 4, 71-95.	0.7	0
46	Geometrical & Interfacial Modulation of a Biomimetic Spinal Implant. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 4, 41-58.	0.7	0
47	Development of a Bioabsorbable Glass-Reinforced-Glass Intra-Osseous Scaffold for Fracture Healing. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 2011, 9, 81-91.	0.7	0
48	A method for investigating the cellular response to cyclic tension or compression in three-dimensional culture. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 11-17.	3.1	0
49	Study on Processing Parameters of Polycaprolactone Electrospinning for Fibrous Scaffold using Factorial Design. Regenerative Engineering and Translational Medicine, 0, , 1.	2.9	0
50	The Rapid Templating Process for Large Cranial Defects. Neuromethods, 2018, , 329-348.	0.3	0