

# Philip C Boughton

## List of Publications by Year in descending order

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50  
papers

659  
citations

687363

13  
h-index

610901

24  
g-index

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all docs

54  
docs citations

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times ranked

1112  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	The influence of low-temperature sterilization procedures on piezoelectric ceramics for biomedical applications. <i>Open Ceramics</i> , 2021, 7, 100143.	2.0	2
5	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
6	Steady-State Visual-Evoked Potentials as a Biomarker for Concussion: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2020, 14, 171.	2.8	4
7	Mechanical and Cytocompatibility Evaluation of UHMWPE/PCL/Bioglass® Fibrous Composite for Acetabular Labrum Implant. <i>Materials</i> , 2019, 12, 916.	2.9	7
8	Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. <i>Advanced Therapeutics</i> , 2019, 2, 1800105.	3.2	7
9	A genome-wide screen for tolerance to rose bengal photodynamic therapy and its use in onychomycosis treatment. , 2019, , .		1
10	Light treatments of nail fungal infections. <i>Journal of Biophotonics</i> , 2018, 11, e201700350.	2.3	16
11	A method for investigating the cellular response to cyclic tension or compression in three-dimensional culture. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 11-17.	3.1	0
12	Modelling and Optimization of Polycaprolactone Ultrafine-Fibres Electrospinning Process Using Response Surface Methodology. <i>Materials</i> , 2018, 11, 441.	2.9	15
13	The Rapid Templating Process for Large Cranial Defects. <i>Neuroinformatics</i> , 2018, , 329-348.	0.3	0
14	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
15	Cranioplasty and Craniofacial Reconstruction: A Review of Implant Material, Manufacturing Method and Infection Risk. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 276.	2.5	54
16	Review: Photochemical Tissue Bonding (PTB) methods for sutureless tissue adhesion. <i>International Journal of Adhesion and Adhesives</i> , 2016, 71, 87-98.	2.9	18
17	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
18	Sterilization of tissue scaffolds. , 2016, , 225-244.		11

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19	A Systematic Review for Anterior Cruciate Ligament Reconstruction. Journal of Anesthesia and Surgery, 2016, 3, 1-9.	0.1	1
20	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
21	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
22	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
23	High creep strain rates observed in nanocrystalline $\pm$ -Fe <sub>2</sub> O <sub>3</sub> particles by nanoindentation measurement. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 1-7.	5.6	1
24	A dynamic perfusion bioreactor approach for engineering respiratory tissues in-vitro. , 2013, 2013, 6224-7.		5
25	Quantitative <i>in vitro</i> assessment of Mg <sub>65</sub> Zn <sub>30</sub> Ca <sub>5</sub> degradation and its effect on cell viability. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 43-49.	3.4	19
26	Functional gradients in natural and biomimetic spinal disk structures. , 2013, , 127-150.		1
27	Nanoindentation studies on silver nanoparticles. , 2013, , .		7
28	The Use of Porous Scaffold as a Tumor Model. International Journal of Biomaterials, 2013, 2013, 1-9.	2.4	35
29	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
30	Development of a Novel Biomimetic Dental Wear System. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 2012, 15, 23-35.	0.7	3
31	Nanoindentation studies on composites of CuO nanoparticles-lithia silica nanoglass. , 2012, , .		1
32	Advances in Hydrogels Applied to Degenerative Diseases. Current Pharmaceutical Design, 2012, 18, 2558-2575.	1.9	29
33	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
34	A novel primate model of delayed wound healing in diabetes: dysregulation of connective tissue growth factor. Diabetologia, 2010, 53, 572-583.	6.3	32
35	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
36	High-strength biodegradable poly(vinyl alcohol)/fly ash composite films. Journal of Applied Polymer Science, 2010, 117, 114-121.	2.6	9

#	ARTICLE	IF	CITATIONS
37	An Interlocking Ligamentous Spinal Disk Arthroplasty with Neural Network Infrastructure. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 2010, 7, 55-79.	0.7	4
38	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
39	Improvement of mechanical and biological properties of porous CaSiO <sub>3</sub> scaffolds by poly(d,l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlaid	8.3	157
40	Design Review & Preliminary Testing for a Biomimetic Absorbable Ligament Anchor. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 4, 71-95.	0.7	0
41	Geometrical & Interfacial Modulation of a Biomimetic Spinal Implant. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 4, 41-58.	0.7	0
42	Methods for Achieving Soft Tissue Scaffold Sterility. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 4, 59-69.	0.7	4
43	Growth of DLD-1 Colon Cancer Cells on Variotisâ„¢ Scaffolds of Controlled Porosity: A Preliminary Study. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 8, 79-89.	0.7	5
44	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
45	Development of 3D Antibiotic-Eluting Bioresorbable Scaffold with Attenuating Envelopes. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 15, 55-62.	0.7	2
46	A Novel Patient-Specific Regenerative Meniscal Replacement System. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 16, 83-95.	0.7	1
47	A Novel Dynamic 3-Dimensional Construct for Respiratory Tissue Engineering. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 14, 31-42.	0.7	2
48	Fabrication and Microstructure Evaluation of Fibrous Composite for Acetabular Labrum Implant. Materials Science Forum, 0, 900, 17-22.	0.3	5
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	A Ceramic-Polymer Functionally Graded Material: A Novel Disk Prosthesis. Ceramic Engineering and Science Proceedings, 0, , 593-600.	0.1	7