Paulo Bartolo

List of Publications by Year in Descending Order

165 papers	5,494 citations	39 h-index	70 g-index
186 ext. papers	6,681 ext. citations	4.1 avg, IF	6.25 L-index

#	Paper	IF	Citations
165	Bone Bricks: The Effect of Architecture and Material Composition on the Mechanical and Biological Performance of Bone Scaffolds.. *ACS Omega*, **2022**, 7, 7515-7530	3.9	2
164	Investigation of polycaprolactone for bone tissue engineering scaffolds: In vitro degradation and biological studies. *Materials and Design*, **2022**, 216, 110582	8.1	2
163	Conductive Polymeric-Based Electroactive Scaffolds for Tissue Engineering Applications: Current Progress and Challenges from Biomaterials and Manufacturing Perspectives. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
162	Green Synthesis of Silver Nanoparticles Using Extract of Cilembu Sweet Potatoes () as Potential Filler for 3D Printed Electroactive and Anti-Infection Scaffolds. *Molecules*, **2021**, 26,	4.8	2
161	Investigations of Graphene and Nitrogen-Doped Graphene Enhanced Polycaprolactone 3D Scaffolds for Bone Tissue Engineering. *Nanomaterials*, **2021**, 11,	5.4	4
160	Experimental and Numerical Simulations of 3D-Printed Polycaprolactone Scaffolds for Bone Tissue Engineering Applications. *Materials*, **2021**, 14,	3.5	2
159	A Review on Microcellular Injection Moulding. *Materials*, **2021**, 14,	3.5	5
158	Recent Advances in Enzymatic and Non-Enzymatic Electrochemical Glucose Sensing. *Sensors*, **2021**, 21,	3.8	30
157	Bioprinting a Multifunctional Bioink to Engineer Clickable 3D Cellular Niches with Tunable Matrix Microenvironmental Cues. *Advanced Healthcare Materials*, **2021**, 10, e2001176	10.1	7
156	3D printing of silk microparticle reinforced polycaprolactone scaffolds for tissue engineering applications. *Materials Science and Engineering C*, **2021**, 118, 111433	8.3	29
155	Designing Novel Synthetic Grafts for Large Bone Defects: Experimental and Numerical Studies. *Materials Forming, Machining and Tribology*, **2021**, 71-89	0.5	
154	In vivo study of conductive 3D printed PCL/MWCNTs scaffolds with electrical stimulation for bone tissue engineering. *Bio-Design and Manufacturing*, **2021**, 4, 190-202	4.7	16
153	Investigating the Influence of Architecture and Material Composition of 3D Printed Anatomical Design Scaffolds for Large Bone Defects. *International Journal of Bioprinting*, **2021**, 7, 268	6.2	4
152	A concise review on the role of selenium for bone cancer applications. *Bone*, **2021**, 149, 115974	4.7	3
151	Multimaterial bioprinting approaches and their implementations for vascular and vascularized tissues. *Bioprinting*, **2021**, 24, e00159	7	3
150	In vivo investigation of 3D printed polycaprolactone/graphene electro-active bone scaffolds. *Bioprinting*, **2021**, 24, e00164	7	2
149	Biomimetic Boundary-Based Scaffold Design for Tissue Engineering Applications. *Methods in Molecular Biology*, **2021**, 2147, 3-18	1.4	2

148	The Potential of Polyethylene Terephthalate Glycol as Biomaterial for Bone Tissue Engineering. *Polymers*, **2020**, 12,	4.5	8
147	Carbon Nanomaterials for Electro-Active Structures: A Review. *Polymers*, **2020**, 12,	4.5	8
146	Three-Dimensional Printing and Electrospinning Dual-Scale Polycaprolactone Scaffolds with Low-Density and Oriented Fibers to Promote Cell Alignment. *3D Printing and Additive Manufacturing*, **2020**, 7, 105-113	4	27
145	Structural optimisation for medical implants through additive manufacturing. *Progress in Additive Manufacturing*, **2020**, 5, 95-110	5	2
144	3D Printing of Polycaprolactone-Polyaniline Electroactive Scaffolds for Bone Tissue Engineering. *Materials*, **2020**, 13,	3.5	43
143	Investigating the Effect of Carbon Nanomaterials Reinforcing Poly(-Caprolactone) Printed Scaffolds for Bone Repair Applications. *International Journal of Bioprinting*, **2020**, 6, 266	6.2	16
142	Photocurable Alginate Bioink Development for Cartilage Replacement Bioprinting. *Lecture Notes in Mechanical Engineering*, **2020**, 243-249	0.4	
141	Modeling and Simulation of a Novel Functional Brace for Large Bone Defects. *Lecture Notes in Mechanical Engineering*, **2020**, 155-161	0.4	
140	Moving Forward to 3D/4D Printed Building Facades. *Lecture Notes in Mechanical Engineering*, **2020**, 277-282	0.4	1
139	Composite Scaffolds for Large Bone Defects. *Lecture Notes in Mechanical Engineering*, **2020**, 250-257	0.4	0
138	Bi-material Electrospun Meshes for Wound Healing Applications. *Lecture Notes in Mechanical Engineering*, **2020**, 258-264	0.4	1
137	Engineering the biological performance of hierarchical nanostructured poly(ε-caprolactone) scaffolds for bone tissue engineering. *CIRP Annals - Manufacturing Technology*, **2020**, 69, 217-220	4.9	3
136	Aligned multi-walled carbon nanotubes with nanohydroxyapatite in a 3D printed polycaprolactone scaffold stimulates osteogenic differentiation. *Materials Science and Engineering C*, **2020**, 108, 110374	8.3	32
135	A review on the use of additive manufacturing to produce lower limb orthoses. *Progress in Additive Manufacturing*, **2020**, 5, 85-94	5	8
134	Stress analysis in a bone fracture fixed with topology-optimised plates. *Biomechanics and Modeling in Mechanobiology*, **2020**, 19, 693-699	3.8	8
133	Mechanical, biological and tribological behaviour of fixation plates 3D printed by electron beam and selective laser melting. *International Journal of Advanced Manufacturing Technology*, **2020**, 109, 673-688	3.2	5
132	Engineered dual-scale poly (ε-caprolactone) scaffolds using 3D printing and rotational electrospinning for bone tissue regeneration. *Additive Manufacturing*, **2020**, 36, 101452	6.1	19
131	Biological perspectives and current biofabrication strategies in osteochondral tissue engineering **2020**, 5, 1		10

130	Electrospun highly porous poly(L-lactic acid)-dopamine-SiO fibrous membrane for bone regeneration. *Materials Science and Engineering C*, **2020**, 117, 111359	8.3	12
129	Highly swelling pH-responsive microgels for dual mode near infra-red fluorescence reporting and imaging. *Nanoscale Advances*, **2020**, 2, 4261-4271	5.1	5
128	Novel Poly(-caprolactone)/Graphene Scaffolds for Bone Cancer Treatment and Bone Regeneration. *3D Printing and Additive Manufacturing*, **2020**, 7, 222-229	4	13
127	Extruded Bioreactor Perfusion Culture Supports the Chondrogenic Differentiation of Human Mesenchymal Stem/Stromal Cells in 3D Porous Poly(e-Caprolactone) Scaffolds. *Biotechnology Journal*, **2020**, 15, e1900078	5.6	3
126	Assessment of PCL/carbon material scaffolds for bone regeneration. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 93, 52-60	4.1	39
125	Using green emitting pH-responsive nanogels to report environmental changes within hydrogels: a nanoprobe for versatile sensing. *Nanoscale*, **2019**, 11, 11484-11495	7.7	7
124	Biomanufacturing of customized modular scaffolds for critical bone defects. *CIRP Annals - Manufacturing Technology*, **2019**, 68, 209-212	4.9	7
123	Robot assisted additive manufacturing: A review. *Robotics and Computer-Integrated Manufacturing*, **2019**, 59, 335-345	9.2	67
122	Engineered 3D printed poly(e-caprolactone)/graphene scaffolds for bone tissue engineering. *Materials Science and Engineering C*, **2019**, 100, 759-770	8.3	58
121	Additive Manufacturing Systems for Medical Applications: Case Studies **2019**, 187-209		7
120	A review of physical experimental research in jet electrochemical machining. *International Journal of Advanced Manufacturing Technology*, **2019**, 105, 651-667	3.2	5
119	Topology optimised metallic bone plates produced by electron beam melting: a mechanical and biological study. *International Journal of Advanced Manufacturing Technology*, **2019**, 104, 195-210	3.2	15
118	Tissue Constructs with Human Adipose-Derived Mesenchymal Stem Cells to Treat Bone Defects in Rats. *Materials*, **2019**, 12,	3.5	17
117	Development and characterization of a photocurable alginate bioink for three-dimensional bioprinting. *International Journal of Bioprinting*, **2019**, 5, 189	6.2	14
116	Hybrid polycaprolactone/hydrogel scaffold fabrication and in-process plasma treatment using PABS. *International Journal of Bioprinting*, **2019**, 5, 174	6.2	2
115	Fabrication and characterisation of 3D printed MWCNT composite porous scaffolds for bone regeneration. *Materials Science and Engineering C*, **2019**, 98, 266-278	8.3	54
114	User interface tool for a novel plasma-assisted bio-additive extrusion system. *Rapid Prototyping Journal*, **2018**, 24, 368-378	3.8	2
113	Structural Evolution of PCL during Melt Extrusion 3D Printing. *Macromolecular Materials and Engineering*, **2018**, 303, 1700494	3.9	46

112	Polymer-Ceramic Composite Scaffolds: The Effect of Hydroxyapatite and Tri-Calcium Phosphate. *Materials*, **2018**, 11,	3.5	81
111	A single-component hydrogel bioink for bioprinting of bioengineered 3D constructs for dermal tissue engineering. *Materials Horizons*, **2018**, 5, 1100-1111	14.4	66
110	Biomechanical performance of hybrid electrospun structures for skin regeneration. *Materials Science and Engineering C*, **2018**, 93, 816-827	8.3	16
109	Cell-instructive pectin hydrogels crosslinked via thiol-norbornene photo-click chemistry for skin tissue engineering. *Acta Biomaterialia*, **2018**, 66, 282-293	10.8	81
108	Process-Driven Microstructure Control in Melt-Extrusion-Based 3D Printing for Tailorable Mechanical Properties in a Polycaprolactone Filament. *Macromolecular Materials and Engineering*, **2018**, 303, 1800173	3.9	16
107	3D-Printed Poly(e-caprolactone)/Graphene Scaffolds Activated with P1-Latex Protein for Bone Regeneration. *3D Printing and Additive Manufacturing*, **2018**, 5, 127-137	4	27
106	Three-dimensional printed bone scaffolds: The role of nano/micro-hydroxyapatite particles on the adhesion and differentiation of human mesenchymal stem cells. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2017**, 231, 555-564	1.7	69
105	Hierarchical and spatial modeling and bio-additive manufacturing of multi-material constructs. *CIRP Annals - Manufacturing Technology*, **2017**, 66, 229-232	4.9	11
104	Engineering the vasculature with additive manufacturing. *Current Opinion in Biomedical Engineering* , **2017**, 2, 1-13	4.4	36
103	An experimental study to investigate the micro-stereolithography tools for micro injection molding. *Rapid Prototyping Journal*, **2017**, 23, 711-719	3.8	2
102	A review of additive manufacturing for ceramic production. *Rapid Prototyping Journal*, **2017**, 23, 954-963	3.8	21
101	Design, Fabrication and Initial Evaluation of a Novel Hybrid System for Tissue Engineering Applications. *Procedia CIRP*, **2017**, 65, 213-218	1.8	6
100	Topology Optimization to Reduce the Stress Shielding Effect for Orthopedic Applications. *Procedia CIRP*, **2017**, 65, 202-206	1.8	31
99	Advances in bioprinted cell-laden hydrogels for skin tissue engineering **2017**, 2, 1		50
98	Optimisation of a Novel Spiral-Inducing Bypass Graft Using Computational Fluid Dynamics. *Scientific Reports*, **2017**, 7, 1865	4.9	28
97	Traditional Therapies for Skin Wound Healing. *Advances in Wound Care*, **2016**, 5, 208-229	4.8	213
96	Bone Tissue Engineering: 3D PCL-based Nanocomposite Scaffolds with Tailored Properties. *Procedia CIRP*, **2016**, 49, 51-54	1.8	24
95	Sustainability in extrusion-based additive manufacturing technologies. *Progress in Additive Manufacturing*, **2016**, 1, 65-78	5	19

94	Cellularized versus decellularized scaffolds for bone regeneration. *Materials Letters*, **2016**, 182, 318-322	3.3	25
93	Real time control of mixing in Reaction Injection Moulding. *Chemical Engineering Research and Design*, **2016**, 105, 31-43	5.5	6
92	Enhancing the Hydrophilicity and Cell Attachment of 3D Printed PCL/Graphene Scaffolds for Bone Tissue Engineering. *Materials*, **2016**, 9,	3.5	163
91	Micro additive manufacturing using ultra short laser pulses. *CIRP Annals - Manufacturing Technology* , **2015**, 64, 701-724	4.9	43
90	Structural Shear Stress Evaluation of Triple Periodic Minimal Surfaces. *Lecture Notes in Computational Vision and Biomechanics*, **2015**, 1-17	0.3	1
89	Tensile and Shear Stress Evaluation of Schwartz Surfaces for Scaffold Design. *Procedia Engineering*, **2015**, 110, 167-174		4
88	Combined Elastic and Shear Stress Solicitations for Topological Optimisation of Micro-CT Based Scaffolds. *Procedia Engineering*, **2015**, 110, 159-166		1
87	3D Photo-Fabrication for Tissue Engineering and Drug Delivery. *Engineering*, **2015**, 1, 090-112	9.7	80
86	3D bioprinting of photocrosslinkable hydrogel constructs. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	109
85	Production and Characterisation of PCL/ES Scaffolds for Bone Tissue Engineering. *Materials Today: Proceedings*, **2015**, 2, 208-216	1.4	12
84	Permeability Evaluation of Flow Behaviors Within Perfusion Bioreactors. *Mechanisms and Machine Science*, **2015**, 761-768	0.3	
83	3D printing of new biobased unsaturated polyesters by microstereo-thermallithography. *Biofabrication*, **2014**, 6, 035024	10.5	22
82	Photocrosslinkable Materials for the Fabrication of Tissue-Engineered Constructs by Stereolithography. *Computational Methods in Applied Sciences (Springer)*, **2014**, 149-178	0.4	4
81	Design of tissue engineering scaffolds based on hyperbolic surfaces: structural numerical evaluation. *Medical Engineering and Physics*, **2014**, 36, 1033-40	2.4	55
80	Computer modelling and simulation of a bioreactor for tissue engineering. *International Journal of Computer Integrated Manufacturing*, **2014**, 27, 946-959	4.3	7
79	Collagen surface modified poly(Ɛcaprolactone) scaffolds with improved hydrophilicity and cell adhesion properties. *Materials Letters*, **2014**, 134, 263-267	3.3	37
78	Cell therapy with human MSCs isolated from the umbilical cord Wharton jelly associated to a PVA membrane in the treatment of chronic skin wounds. *International Journal of Medical Sciences*, **2014**, 11, 979-87	3.7	42
77	Photopolymerizable hydrogels in regenerative medicine and drug delivery **2014**, 6-28		12

76	Promoting nerve regeneration in a neurotmesis rat model using poly(DL-lactide-ε-caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly: in vitro and in vivo analysis. *BioMed Research International*, **2014**, 2014, 302659	3	22
75	PCL/Eggshell Scaffolds for Bone Regeneration **2014**,		2
74	Effects of Human Mesenchymal Stem Cells Isolated from Wharton's Jelly of the Umbilical Cord and Conditioned Media on Skeletal Muscle Regeneration Using a Myectomy Model. *Stem Cells International*, **2014**, 2014, 376918	5	29
73	Biomanufacturing. *CIRP Annals - Manufacturing Technology*, **2013**, 62, 585-606	4.9	31
72	Degradation Behavior of Biopolymer-based Membranes for Skin Tissue Regeneration. *Procedia Engineering*, **2013**, 59, 285-291		11
71	Influence of Aloe vera on water absorption and enzymatic in vitro degradation of alginate hydrogel films. *Carbohydrate Polymers*, **2013**, 98, 311-20	10.3	43
70	Influence of Hydroxyapatite on Extruded 3D Scaffolds. *Procedia Engineering*, **2013**, 59, 263-269		20
69	Characterisation of PCL and PCL/PLA Scaffolds for Tissue Engineering. *Procedia CIRP*, **2013**, 5, 110-114	1.8	97
68	Alginate/Aloe Vera Hydrogel Films for Biomedical Applications. *Procedia CIRP*, **2013**, 5, 210-215	1.8	69
67	Numerical simulations of bioextruded polymer scaffolds for tissue engineering applications. *Polymer International*, **2013**, 62, 1544-1552	3.3	13
66	Improved osteoblast cell affinity on plasma-modified 3-D extruded PCL scaffolds. *Acta Biomaterialia*, **2013**, 9, 5997-6005	10.8	133
65	PCL Scaffolds with Collagen Bioactivator for Applications in Tissue Engineering. *Procedia Engineering*, **2013**, 59, 279-284		28
64	Cranial Biomechanical Simulation. *Procedia CIRP*, **2013**, 5, 305-309	1.8	2
63	Morphological Characteristics of Electrospun PCL Meshes – The Influence of Solvent Type and Concentration. *Procedia CIRP*, **2013**, 5, 216-221	1.8	14
62	Permeability Evaluation of Lay-down Patterns and Pore Size of Pcl Scaffolds. *Procedia Engineering*, **2013**, 59, 255-262		11
61	Thermal Stability of PCL/PLA Blends Produced by Physical Blending Process. *Procedia Engineering*, **2013**, 59, 292-297		82
60	Topological Optimisation of Scaffolds for Tissue Engineering. *Procedia Engineering*, **2013**, 59, 298-306		19
59	Advanced biofabrication strategies for skin regeneration and repair. *Nanomedicine*, **2013**, 8, 603-21	5.6	193

58	Numerical Simulation of Polymeric Extruded Scaffolds Under Compression. *Procedia CIRP*, **2013**, 5, 236-243	4.8	3
57	Biofabrication of Hydrogel Constructs. *Advances in Predictive, Preventive and Personalised Medicine*, **2013**, 225-254	0.4	7
56	Development of novel alginate based hydrogel films for wound healing applications. *International Journal of Biological Macromolecules*, **2013**, 52, 221-30	7.9	236
55	Evaluating the Properties of an Alginate Wound Dressing for Skin Repair. *Advanced Materials Research*, **2013**, 683, 141-144	0.5	2
54	Levodopa Incorporation in Alginate Membranes for Drug Delivery Studies. *Advanced Materials Research*, **2013**, 749, 423-428	0.5	1
53	OPTIMALMOULD | Cooling System Influence in Injection Moulding Cycle Time Optimization. *Advanced Materials Research*, **2013**, 683, 544-547	0.5	1
52	Additive manufacturing techniques for scaffold-based cartilage tissue engineering. *Virtual and Physical Prototyping*, **2013**, 8, 175-186	10.1	26
51	PCL and PCL/PLA Scaffolds for Bone Tissue Regeneration. *Advanced Materials Research*, **2013**, 683, 168-174	0.5	3
50	SANS/WANS Time-resolving Neutron Scattering Studiesof Polymer Phase Transitions Using NIMROD. *Materials Research Society Symposia Proceedings*, **2013**, 1528, 1		2
49	Bio Inspired Algorithms for Injection Moulding Optimization. *Advanced Materials Research*, **2013**, 683, 771-774	0.5	2
48	Mechanical and Biological Characteristics of Electrospun PCL Meshes the Influence of Solvent Type and Concentration. *Advanced Materials Research*, **2013**, 683, 137-140	0.5	2
47	Optimization of Thermoplastic Pre-Pregs Overmoulding. *Applied Mechanics and Materials*, **2013**, 365-366, 1007-1010	0.3	
46	Functionally Graded Structures through Building Manufacturing. *Advanced Materials Research*, **2013** , 683, 775-778	0.5	18
45	Polyethylene Glycol and Polyethylene Glycol/Hydroxyapatite Constructs Produced through Stereo-Thermal Lithography. *Advanced Materials Research*, **2013**, 749, 87-92	0.5	5
44	Melt electrospinning writing of three-dimensional star poly(?-caprolactone) scaffolds. *Polymer International*, **2013**, 62, 893-900	3.3	47
43	Materials characterization for stereolithography **2013**, 107-112		
42	Vat polymerization techniques for biotechnology and medicine **2013**, 203-207		1
41	Computational technologies in tissue engineering **2013**,		5

40	Biomedical production of implants by additive electro-chemical and physical processes. *CIRP Annals - Manufacturing Technology*, **2012**, 61, 635-655	4.9	215
39	Structural and vascular analysis of tissue engineering scaffolds, Part 2: Topology optimisation. *Methods in Molecular Biology*, **2012**, 868, 209-36	1.4	7
38	Structural and vascular analysis of tissue engineering scaffolds, Part 1: Numerical fluid analysis. *Methods in Molecular Biology*, **2012**, 868, 183-207	1.4	7
37	Polymers, Biomanufacturing and Regenerative Medicine. *Advanced Materials Research*, **2012**, 506, 11-14	0.5	
36	Additive manufacturing of tissues and organs. *Progress in Polymer Science*, **2012**, 37, 1079-1104	29.6	841
35	Effect of process parameters on the morphological and mechanical properties of 3D Bioextruded poly(Ɛ-caprolactone) scaffolds. *Rapid Prototyping Journal*, **2012**, 18, 56-67	3.8	124
34	Optimalmould-part I: Multi-objective optimization to moulds design for injection of polymers **2012**,		1
33	Optimalmould - part II: Global optimization of the injection moulding cycle time **2012**,		4
32	An Innovation System for Building Manufacturing **2012**,		4
31	A Decision Tool for Green Manufacturing While Utilizing Additive Process **2012**,		3
30	Additive Manufacturing in Jewellery Design **2012**,		6
29	Preparation and Characterization of Films Based on Alginate and Aloe Vera. *International Journal of Polymer Analysis and Characterization*, **2011**, 16, 449-464	1.7	97
28	BioCell Printing: Integrated automated assembly system for tissue engineering constructs. *CIRP Annals - Manufacturing Technology*, **2011**, 60, 271-274	4.9	53
27	Dual-Scale Polymeric Constructs as Scaffolds for Tissue Engineering. *Materials*, **2011**, 4, 527-542	3.5	45
26	Experimental assessment of hybrid mould performance. *International Journal of Advanced Manufacturing Technology*, **2010**, 50, 441-448	3.2	14
25	Virtual topological optimisation of scaffolds for rapid prototyping. *Medical Engineering and Physics*, **2010**, 32, 775-82	2.4	65
24	Effect of process parameters on the strength of resistance spot welds in 6082-T6 aluminium alloy. *Materials & Design*, **2010**, 31, 2454-2463		65
23	Analysis of manufacturing parameters on the shear strength of aluminium adhesive single-lap joints. *Journal of Materials Processing Technology*, **2010**, 210, 610-617	5.3	76

22	Optimization of Scaffolds in Alginate for Biofabrication by Genetic Algorithms. *Computer Aided Chemical Engineering*, **2009**, 27, 1935-1940	0.6	4
21	Rheological behavior of alginate solutions for biomanufacturing. *Journal of Applied Polymer Science* , **2009**, 113, 3866-3871	2.9	73
20	Modeling and simulation of photofabrication processes using unsaturated polyester resins. *Journal of Applied Polymer Science*, **2009**, 114, 3673-3685	2.9	23
19	Study on the fatigue strength of AA 6082-T6 adhesive lap joints. *International Journal of Adhesion and Adhesives*, **2009**, 29, 633-638	3.4	43
18	Biomanufacturing for tissue engineering: Present and future trends. *Virtual and Physical Prototyping*, **2009**, 4, 203-216	10.1	114
17	Hybrid moulds: effect of the moulding blocks on the morphology and dimensional properties. *Rapid Prototyping Journal*, **2009**, 15, 71-82	3.8	28
16	Bio-Materials and Prototyping Applications in Medicine **2008**,		29
15	Virtual Prototyping & Bio Manufacturing in Medical Applications **2008**,		12
14	Metal filled resin for stereolithography metal part. *CIRP Annals - Manufacturing Technology*, **2008**, 57, 235-238	4.9	55
13	Advanced Processes to Fabricate Scaffolds for Tissue Engineering **2008**, 149-170		17
12	Photo-curing modelling: direct irradiation. *International Journal of Advanced Manufacturing Technology*, **2007**, 32, 480-491	3.2	20
11	Virtual modelling through human vision sense. *International Journal on Interactive Design and Manufacturing*, **2007**, 1, 195-207	1.9	4
10	Laser micromachining for mould manufacturing: II. Manufacture and testing of mould inserts. *Assembly Automation*, **2007**, 27, 231-239	2.1	6
9	Design of scaffolds with computer assistance. *WIT Transactions on Biomedicine and Health*, **2007**,		5
8	Laser micromachining for mould manufacturing: I. The influence of operating parameters. *Assembly Automation*, **2006**, 26, 227-234	2.1	26
7	Integrated computational tools for virtual and physical automatic construction. *Automation in Construction*, **2006**, 15, 257-271	9.6	24
6	State of the art of solid freeform fabrication for soft and hard tissue engineering. *WIT Transactions on Ecology and the Environment*, **2006**,	1	8
5	Computer rapid design II: applications. *International Journal of Product Development*, **2004**, 1, 203	0.7	3

4	Rapid manufacturing of medical prostheses. *International Journal of Manufacturing Technology and Management*, **2004**, 6, 567	0.4	11
3	Computer rapid design I: accuracy analysis. *International Journal of Product Development*, **2004**, 1, 183	0.7	3
2	Stereo-thermal-lithography: a new principle for rapid prototyping. *Rapid Prototyping Journal*, **2003**, 9, 150-156	3.8	63
1	Application of additively manufactured 3D scaffolds for bone cancer treatment: a review. *Bio-Design and Manufacturing*,1	4.7	1