

# Guy Dg Daculsi

## List of Publications by Year in descending order

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90  
papers

5,438  
citations

108046

37  
h-index

107981

68  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium Phosphate Bioceramics in Biomaterials Development and Applications. , 2020, , 1-10.		0
2	Beta-tricalcium phosphate ceramic triggers fast and robust bone formation by human mesenchymal stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1007-1018.	1.3	8
3	Bioactivity of Biphasic Calcium Phosphate Granules, the Control of a Needle-Like Apatite Layer Formation for Further Medical Device Developments. Frontiers in Bioengineering and Biotechnology, 2019, 7, 462.	2.0	9
4	A doxycycline inducible, adenoviral bone morphogenetic protein-2 gene delivery system to bone. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e106-e118.	1.3	18
5	History of Development and Use of the Bioceramics and Biocomposites. , 2016, , 3-22.		2
6	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies. , 2016, , 471-501.		0
7	History of Development and Use of the Bioceramics and Biocomposites. , 2016, , 1-20.		3
8	Smart scaffolds: the future of bioceramic. Journal of Materials Science: Materials in Medicine, 2015, 26, 154.	1.7	20
9	History of Development and Use of the Bioceramics and Biocomposites. , 2015, , 1-20.		1
10	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies. , 2015, , 1-31.		0
11	Tolerance and osteointegration of TricOsTM/MBCP® in association with fibrin sealant in mastoid obliteration after canal wall-down technique for cholesteatoma. Acta Oto-Laryngologica, 2014, 134, 358-365.	0.3	18
12	The Essential Role of Calcium Phosphate Bioceramics in Bone Regeneration. Springer Series in Biomaterials Science and Engineering, 2014, , 71-96.	0.7	5
13	Novel analysis model for implant osseointegration using ectopic bone formation via the recombinant human bone morphogenetic protein-2/macroporous biphasic calcium phosphate block system in rats: a proof-of-concept study. Journal of Periodontal and Implant Science, 2012, 42, 136.	0.9	6
14	Biphasic bone substitute and fibrin sealant for treatment of benign bone tumours and tumour-like lesions. International Orthopaedics, 2012, 36, 139-148.	0.9	19
15	Osteoconductive properties of poly(96L/4D-lactide)/beta-tricalcium phosphate in long term animal model. Biomaterials, 2011, 32, 3166-3177.	5.7	48
16	Porous beta tricalcium phosphate scaffolds used as a BMP-2 delivery system for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1105-1114.	2.1	48
17	Alveolar ridge augmentation in irradiated rabbit mandibles. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1519-1526.	2.1	12
18	Mandibular Segmental Defect Regenerated With Macroporous Biphasic Calcium Phosphate, Collagen Membrane, and Bone Marrow Graft in Dogs. JAMA Otolaryngology, 2010, 136, 971.	1.5	39

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19	Reconstruction of irradiated bone segmental defects with a biomaterial associating MBCP+ <sup>®</sup> , microstructured collagen membrane and total bone marrow grafting: An experimental study in rabbits. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 1160-1169.	2.1	24
20	A comparison between bone reconstruction following the use of mesenchymal stem cells and total bone marrow in association with calcium phosphate scaffold in irradiated bone. <i>Biomaterials</i> , 2009, 30, 763-769.	5.7	42
21	Comparison of two bone substitute biomaterials consisting of a mixture of fibrin sealant (Tisseel <sup>®</sup> ) and MBCP <sup>®</sup> (TricOs <sup>®</sup> ) with an autograft in sinus lift surgery in sheep. <i>Clinical Oral Implants Research</i> , 2009, 20, 1133-1139.	1.9	26
22	Injectable biphasic calcium phosphate bioceramic: The HYDROS <sup>®</sup> concept. <i>Bio-Medical Materials and Engineering</i> , 2009, 19, 71-76.	0.4	6
23	Bone tissue formation in sheep muscles induced by a biphasic calcium phosphate ceramic and fibrin glue composite. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 667-675.	1.7	70
24	Bioactive Bioceramics. , 2008, , 153-181.		20
25	Bioactive materials in endodontics. <i>Expert Review of Medical Devices</i> , 2008, 5, 475-494.	1.4	53
26	VEGF and VEGF receptors are differentially expressed in chondrocytes. <i>Bone</i> , 2007, 40, 568-576.	1.4	66
27	Biomaterials for tissue reconstruction and bone substitution of the ear, nose and throat, face and neck. <i>Expert Review of Medical Devices</i> , 2007, 4, 729-739.	1.4	10
28	Hybrid composites of calcium phosphate granules, fibrin glue, and bone marrow for skeletal repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 399-408.	2.1	23
29	Calcium-deficient apatite synthesized by ammonia hydrolysis of dicalcium phosphate dihydrate: Influence of temperature, time, and pressure. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 80B, 32-42.	1.6	26
30	Physico-chemical <sup>®</sup> mechanical and in vitro biological properties of calcium phosphate cements with doped amorphous calcium phosphates. <i>Biomaterials</i> , 2007, 28, 956-965.	5.7	102
31	The safety and efficacy of an injectable bone substitute in dental sockets demonstrated in a human clinical trial. <i>Biomaterials</i> , 2007, 28, 3295-3305.	5.7	102
32	Influence of calcium chloride and aprotinin in the in vivo biological performance of a composite combining biphasic calcium phosphate granules and fibrin sealant. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1489-1495.	1.7	19
33	Osteogenic properties of calcium phosphate ceramics and fibrin glue based composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 225-235.	1.7	50
34	Interactions of total bone marrow cells with increasing quantities of macroporous calcium phosphate ceramic granules. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1983-1990.	1.7	38
35	Nanostructured biomaterials. <i>Nanomedicine</i> , 2006, 1, 493-494.	1.7	4
36	Micro-architecture of calcium phosphate granules and fibrin glue composites for bone tissue engineering. <i>Biomaterials</i> , 2006, 27, 2716-2722.	5.7	112

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37	The modulation of gene expression in osteoblasts by thrombin coated on biphasic calcium phosphate ceramic. <i>Biomaterials</i> , 2006, 27, 2934-2943.	5.7	37
38	Ectopic bone formation using an injectable biphasic calcium phosphate/Si-HPMC hydrogel composite loaded with undifferentiated bone marrow stromal cells. <i>Biomaterials</i> , 2006, 27, 3256-3264.	5.7	109
39	Osteointegration of femoral stem prostheses with a bilayered calcium phosphate coating. <i>Biomaterials</i> , 2006, 27, 1119-1128.	5.7	42
40	Injectable calcium phosphate scaffold and bone marrow graft for bone reconstruction in irradiated areas: An experimental study in rats. <i>Biomaterials</i> , 2006, 27, 4566-4572.	5.7	35
41	Quantitative and reliable in vitro method combining scanning electron microscopy and image analysis for the screening of osteotropic modulators. <i>Microscopy Research and Technique</i> , 2006, 69, 606-612.	1.2	11
42	Bone repair using a new injectable self-crosslinkable bone substitute. <i>Journal of Orthopaedic Research</i> , 2006, 24, 628-635.	1.2	96
43	Novel biomaterials for bisphosphonate delivery. <i>Biomaterials</i> , 2005, 26, 2073-2080.	5.7	143
44	In vivo bone regeneration with injectable calcium phosphate biomaterial: A three-dimensional micro-computed tomographic, biomechanical and SEM study. <i>Biomaterials</i> , 2005, 26, 5444-5453.	5.7	175
45	In vitro biological effects of titanium rough surface obtained by calcium phosphate grid blasting. <i>Biomaterials</i> , 2005, 26, 157-165.	5.7	131
46	Three-dimensional culture and differentiation of human osteogenic cells in an injectable hydroxypropylmethylcellulose hydrogel. <i>Biomaterials</i> , 2005, 26, 5509-5517.	5.7	114
47	In vivo biological performance of composites combining micro-macroporous biphasic calcium phosphate granules and fibrin sealant. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2005, 125, 153-159.	1.3	40
48	Dexamethasone stimulates differentiation of odontoblast-like cells in human dental pulp cultures. <i>Cell and Tissue Research</i> , 2005, 321, 391-400.	1.5	123
49	MBCPÂ® biphasic calcium phosphate granules and tissucolÂ® fibrin sealant in rabbit femoral defects: The effect of fibrin on bone ingrowth. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 29-35.	1.7	51
50	In Vitro and In Vivo Bactericidal Activities of Vancomycin Dispersed in Porous Biodegradable Poly( $\mu$ -Caprolactone) Microparticles. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3025-3027.	1.4	26
51	Calcium phosphate scaffold and bone marrow for bone reconstruction in irradiated area: a dog study. <i>Bone</i> , 2005, 36, 323-330.	1.4	60
52	Ectopic bone formation by microporous calcium phosphate ceramic particles in sheep muscles. <i>Bone</i> , 2005, 36, 1086-1093.	1.4	255
53	Biphasic Ceramics and Fibrin Sealant for Bone Reconstruction in Ear Surgery. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2004, 113, 711-720.	0.6	42
54	Alveolar Bone Regeneration for Immediate Implant Placement Using an Injectable Bone Substitute: An Experimental Study in Dogs. <i>Journal of Periodontology</i> , 2004, 75, 663-671.	1.7	52

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55	Current state of the art of biphasic calcium phosphate bioceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 195-200.	1.7	415
56	General properties of silated hydroxyethylcellulose for potential biomedical applications. <i>Biopolymers</i> , 2002, 63, 232-238.	1.2	44
57	Synthesis and general properties of silated-hydroxypropyl methylcellulose in prospect of biomedical use. <i>Advances in Colloid and Interface Science</i> , 2002, 99, 215-228.	7.0	107
58	Interaction between hydroxypropyl methylcellulose and biphasic calcium phosphate after steam sterilisation: Capillary gas chromatography studies. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 573-579.	1.9	12
59	Study of the Maturation of the Organic (Type I Collagen) and Mineral (Nonstoichiometric Apatite) Constituents of a Calcified Tissue (Dentin) as a Function of Location: A Fourier Transform Infrared Microspectroscopic Investigation. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 750-757.	3.1	48
60	Biphasic calcium phosphates: Influence of three synthesis parameters on the HA/?-TCP ratio. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 51, 680-684.	3.0	133
61	Effects of fibronectin on hydroxyapatite formation. <i>Journal of Inorganic Biochemistry</i> , 1999, 73, 129-136.	1.5	37
62	Osteogenic potential in vitro of human bone marrow cells cultured on macroporous biphasic calcium phosphate ceramic. <i>Journal of Biomedical Materials Research Part B</i> , 1999, 44, 98-108.	3.0	126
63	Influence of biphasic calcium phosphate granulometry on bone ingrowth, ceramic resorption, and inflammatory reactions: Preliminary in vitro and in vivo study. , 1999, 46, 103-111.		130
64	Biological activities of sustained polymyxin B release from calcium phosphate biomaterial prepared by dynamic compaction: An in vitro study. , 1999, 47, 18-27.		40
65	Kinetic study of bone ingrowth and ceramic resorption associated with the implantation of different injectable calcium-phosphate bone substitutes. , 1999, 47, 28-35.		138
66	A New Injectable Calcium Phosphate Biomaterial for Immediate Bone Filling of Extraction Sockets: A Preliminary Study in Dogs. <i>Journal of Periodontology</i> , 1999, 70, 375-383.	1.7	85
67	Osteogenic potential in vitro of human bone marrow cells cultured on macroporous biphasic calcium phosphate ceramic. , 1999, 44, 98.		18
68	Human Growth Hormone Locally Released in Bone Sites by Calcium-Phosphate Biomaterial Stimulates Ceramic Bone Substitution Without Systemic Effects: A Rabbit Study. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 739-748.	3.1	52
69	Growth hormone stimulates the degradation of calcium phosphate biomaterial by human monocytes macrophages in vitro. , 1998, 40, 79-85.		8
70	Polymyxin B inhibits biphasic calcium phosphate degradation induced by lipopolysaccharide-activated human monocytes/macrophages. , 1998, 40, 336-340.		12
71	Growth hormone-loaded macroporous calcium phosphate ceramic: In vitro biopharmaceutical characterization and preliminary in vivo study. , 1998, 40, 560-566.		30
72	Macroporous biphasic calcium phosphate ceramics: influence of macropore diameter and macroporosity percentage on bone ingrowth. <i>Biomaterials</i> , 1998, 19, 133-139.	5.7	587

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73	Transmission FT-IR microspectroscopy of mineral phases in calcified tissues. Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie, 1998, 321, 865-876.	0.8	21
74	Caval Incorporation of the LGM Vena Tech Filter: An Experimental Study. Journal of Vascular and Interventional Radiology, 1997, 8, 419-425.	0.2	14
75	Dynamic compaction: a new process to compact therapeutic agent-loaded calcium phosphates. Biomaterials, 1997, 18, 141-145.	5.7	27
76	Apatite as carrier for growth hormone: In vitro characterization of loading and release. , 1997, 34, 165-170.		58
77	Macroporous biphasic calcium phosphate ceramics: Influence of five synthesis parameters on compressive strength. , 1996, 32, 603-609.		165
78	Utilization of activated U937 monocytic cells as a model to evaluate biocompatibility and biodegradation of synthetic calcium phosphate. Biomaterials, 1995, 16, 497-503.	5.7	29
79	Osteoclastic resorption of Ca-P biomaterials implanted in rabbit bone. Calcified Tissue International, 1993, 53, 348-356.	1.5	103
80	Macroporous Biphasic Calcium Phosphate Efficiency in Mastoid Cavity Obliteration: Experimental and Clinical Findings. Annals of Otology, Rhinology and Laryngology, 1992, 101, 669-674.	0.6	72
81	Report on caries reduction in French schoolchildren 3 years after the introduction of a preventive program. Community Dentistry and Oral Epidemiology, 1985, 13, 201-203.	0.9	14
82	Aqueous density fractionation of mineralizing tissues: An efficient method applied to the preparation of enamel fractions suitable for crystal and protein studies. Calcified Tissue International, 1984, 36, 677-681.	1.5	5
83	Dentinogenesis imperfecta with dens in dente. Oral Surgery, Oral Medicine, and Oral Pathology, 1983, 55, 279-285.	0.6	12
84	Electron microscopy and microanalysis of a subcutaneous heterotopic calcification. Calcified Tissue International, 1983, 35, 723-727.	1.5	9
85	Effects of fluoride on human enamel and selachian enameloid in vitro: A high-resolution TEM and electron diffraction study. Calcified Tissue International, 1981, 33, 9-13.	1.5	7
86	Osteodentine and vascular osteodentine of Anarhichas lupus (L.). Cell and Tissue Research, 1978, 187, 135-146.	1.5	14
87	Rapports de la morphologie et de l'histologie dentaires d'Anarhichas lupus L. (Poisson) tetracycline. Canadian Journal of Zoology, 1978, 56, 1103-1109.	0.4	6
88	High-resolution electron microscope study of human enamel crystallites: Size, shape, and growth. Journal of Ultrastructure Research, 1978, 65, 163-172.	1.4	156
89	Ultrastructural study of amelogenesis imperfecta. Calcified Tissue Research, 1977, 24, 191-197.	1.3	21
90	High-resolution electron microscopy and crystallographic study of some biological apatites. Journal of Ultrastructure Research, 1976, 57, 266-275.	1.4	58