Salvador Aznar-Cervantes

List of Publications by Year
in descending order

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48 papers	1,564 citations	430442 18 h-index	315357 38 g-index
51 all docs	51 docs citations	51 times ranked	2881 citing authors

#	Article	IF	Citations
1	Silkworm Gut Fibres from Silk Glands of Samia cynthia riciniâ€"Potential Use as a Scaffold in Tissue Engineering. International Journal of Molecular Sciences, 2022, 23, 3888.	1.8	3
2	Nanoporous silk films with capillary action and size-exclusion capacity for sensitive glucose determination in whole blood. Lab on A Chip, 2021, 21, 608-615.	3.1	9
3	Products of Sericulture and Their Hypoglycemic Action Evaluated by Using the Silkworm, Bombyx mori (Lepidoptera: Bombycidae), as a Model. Insects, 2021, 12, 1059.	1.0	9
4	Electrospun silk fibroin/TiO₂ mats. Preparation, characterization and efficiency for the photocatalytic solar treatment of pesticide polluted water. RSC Advances, 2020, 10, 1917-1924.	1.7	11
5	The silk of gorse spider mite Tetranychus lintearius represents a novel natural source of nanoparticles and biomaterials. Scientific Reports, 2020, 10, 18471.	1.6	7
6	Chemoprevention of Experimental Periodontitis in Diabetic Rats with Silk Fibroin Nanoparticles Loaded with Resveratrol. Antioxidants, 2020, 9, 85.	2.2	12
7	Photocatalytic Performance of Electrospun Silk Fibroin/ZnO Mats to Remove Pesticide Residues from Water under Natural Sunlight. Catalysts, 2020, 10, 110.	1.6	12
8	First steps for the development of silk fibroin-based 3D biohybrid retina for age-related macular degeneration (AMD). Journal of Neural Engineering, 2020, 17, 055003.	1.8	3
9	Fiber optic humidity sensor based on silk fibroin interference films. Photonics Letters of Poland, 2020, 12, 49.	0.2	4
10	Potential use of silkworm gut fiber braids as scaffolds for tendon and ligament tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2209-2215.	1.6	17
11	Effect of different cocoon stifling methods on the properties of silk fibroin biomaterials. Scientific Reports, 2019, 9, 6703.	1.6	17
12	Silk fibroin scaffolds seeded with Whartonâ€™s jelly mesenchymal stem cells enhance re-epithelialization and reduce formation of scar tissue after cutaneous wound healing. Stem Cell Research and Therapy, 2019, 10, 126.	2.4	56
13	Preparation and characterization of Nephila clavipes tubuliform silk gut. Soft Matter, 2019, 15, 2960-2970.	1.2	9
14	scCO2-foamed silk fibroin aerogel/poly(Îµ-caprolactone) scaffolds containing dexamethasone for bone regeneration. Journal of CO2 Utilization, 2019, 31, 51-64.	3.3	49
15	Revealing the Influence of the Degumming Process in the Properties of Silk Fibroin Nanoparticles. Polymers, 2019, 11, 2045.	2.0	47
16	Silk fibroin thin films for optical humidity sensing. , 2019, , .		1
17	Biological effects of silk fibroin 3D scaffolds on stem cells from human exfoliated deciduous teeth (SHEDs). Odontology / the Society of the Nippon Dental University, 2018, 106, 125-134.	0.9	16
18	Silk Fibroin Pads for Whole Blood Glucose Determination. Proceedings (mdpi), 2018, 2, .	0.2	2

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19	Impact of a Porous Si-Ca-P Monophasic Ceramic on Variation of Osteogenesis-Related Gene Expression of Adult Human Mesenchymal Stem Cells. Applied Sciences (Switzerland), 2018, 8, 46.	1.3	5
20	Electrospun silk fibroin scaffolds coated with reduced graphene promote neurite outgrowth of PC-12 cells under electrical stimulation. Materials Science and Engineering C, 2017, 79, 315-325.	3.8	71
21	Analysis of the Adherence of Dental Pulp Stem Cells on Two-Dimensional and Three-Dimensional Silk Fibroin-Based Biomaterials. Journal of Craniofacial Surgery, 2017, 28, 939-943.	0.3	9
22	Biodegradable PCL/fibroin/hydroxyapatite porous scaffolds prepared by supercritical foaming for bone regeneration. International Journal of Pharmaceutics, 2017, 527, 115-125.	2.6	42
23	Electrochemical Synthesis and Characterization of Flavin Mononucleotideâ€Exfoliated Pristine Graphene/Polypyrrole Composites. ChemElectroChem, 2017, 4, 1487-1497.	1.7	11
24	Silk Fibroin Films for Corneal Endothelial Regeneration: Transplant in a Rabbit Descemet Membrane Endothelial Keratoplasty. , 2017, 58, 3357.		46
25	Nurseâ€™s A-Phase Material Enhance Adhesion, Growth and Differentiation of Human Bone Marrow-Derived Stromal Mesenchymal Stem Cells. Materials, 2017, 10, 347.	1.3	6
26	Silkworm Gut Fiber of Bombyx mori as an Implantable and Biocompatible Light-Diffusing Fiber. International Journal of Molecular Sciences, 2016, 17, 1142.	1.8	9
27	Graphene adsorbed on silk-fibroin meshes: Biomimetic and reversible conformational movements driven by reactions. Electrochimica Acta, 2016, 209, 521-528.	2.6	16
28	Impact of Covalent Functionalization on the Aqueous Processability, Catalytic Activity, and Biocompatibility of Chemically Exfoliated MoS₂ Nanosheets. ACS Applied Materials & Interfaces, 2016, 8, 27974-27986.	4.0	73
29	Silk-Fibroin and Graphene Oxide Composites Promote Human Periodontal Ligament Stem Cell Spontaneous Differentiation into Osteo/Cementoblast-Like Cells. Stem Cells and Development, 2016, 25, 1742-1754.	1.1	44
30	Effect of aqueous and particulate silk fibroin in a rat model of experimental colitis. International Journal of Pharmaceutics, 2016, 511, 1-9.	2.6	26
31	Fabrication of electrospun silk fibroin scaffolds coated with graphene oxide and reduced graphene for applications in biomedicine. Bioelectrochemistry, 2016, 108, 36-45.	2.4	56
32	Production of silk fibroin nanoparticles using ionic liquids and highâ€power ultrasounds. Journal of Applied Polymer Science, 2015, 132, .	1.3	52
33	High quality, low oxygen content and biocompatible graphene nanosheets obtained by anodic exfoliation of different graphite types. Carbon, 2015, 94, 729-739.	5.4	83
34	Potential of graphene for tissue engineering applications. Translational Research, 2015, 166, 399-400.	2.2	8
35	Importance of refrigeration time in the electrospinning of silk fibroin aqueous solutions. Journal of Materials Science, 2015, 50, 4879-4887.	1.7	18
36	Textile/Metalâ€“Organicâ€Framework Composites as Selfâ€Detoxifying Filters for Chemicalâ€Warfare Agents. Angewandte Chemie - International Edition, 2015, 54, 6790-6794.	7.2	291

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37	Antitumor properties of platinum(<scp>iv</scp>) prodrug-loaded silk fibroin nanoparticles. Dalton Transactions, 2015, 44, 13513-13521.	1.6	38
38	Mechanical behaviour and formation process of silkworm silk gut. Soft Matter, 2015, 11, 8981-8991.	1.2	14
39	Effects of composite films of silk fibroin and graphene oxide on the proliferation, cell viability and mesenchymal phenotype of periodontal ligament stem cells. Journal of Materials Science: Materials in Medicine, 2014, 25, 2731-2741.	1.7	75
40	Preliminary steps for the creation of small diameter vascular grafts. Cytotherapy, 2014, 16, S41-S42.	0.3	0
41	Influence of the protocol used for fibroin extraction on the mechanical properties and fiber sizes of electrospun silk mats. Materials Science and Engineering C, 2013, 33, 1945-1950.	3.8	53
42	A photoactivated nanofiber graft material for augmented Achilles tendon repair. Lasers in Surgery and Medicine, 2012, 44, 645-652.	1.1	42
43	â€œIn vitroâ€•behaviour of adult mesenchymal stem cells of human bone marrow origin seeded on a novel bioactive ceramics in the Ca2SiO4â€“Ca3(PO4)2 system. Journal of Materials Science: Materials in Medicine, 2012, 23, 3003-3014.	1.7	28
44	Fabrication of conductive electrospun silk fibroin scaffolds by coating with polypyrrole for biomedical applications. Bioelectrochemistry, 2012, 85, 36-43.	2.4	146
45	Purification and Kinetic Properties of Human Recombinant Dihydrofolate Reductase Produced in Bombyx mori Chrysalides. Applied Biochemistry and Biotechnology, 2010, 162, 1834-1846.	1.4	8
46	Bone tissue engineering. Design and development of biologically active vitroceramic-based hybrid materials to be used as bone substitutes. Revista EspaÃ±ola De CirugÃa OrtopÃ©dica Y TraumatologÃa, 2010, 54, 59-68.	0.1	0
47	IngenierÃa tisular del tejido Ã³seo. DiseÃ±o y desarrollo de materiales hÃbridos biolÃ³gicamente activos basados en vitrocerÃ¡micas para sustituciÃ³n Ã³sea. Revista EspaÃ±ola De CirugÃa OrtopÃ©dica Y TraumatologÃa, 2010, 54, 59-68.	0.1	1
48	Unexpected high toughness of Samia cynthia ricini silk gut. Soft Matter, 0, , .	1.2	0