

Krishna Pramanik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/883644/publications.pdf>

Version: 2024-02-01

96
papers

5,065
citations

117571

34
h-index

95218

68
g-index

100
all docs

100
docs citations

100
times ranked

7321
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun scaffold for bone regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 842-857.	1.8	12
2	Design of magnesium oxide nanoparticle incorporated carboxy methyl cellulose/poly vinyl alcohol composite film with novel composition for skin tissue engineering. Materials Technology, 2022, 37, 706-716.	1.5	18
3	Antibacterial activity and biocompatibility of curcumin/TiO ₂ nanotube array system on Ti6Al4V bone implants. Materials Technology, 2021, 36, 221-232.	1.5	12
4	MgO enables enhanced bioactivity and antimicrobial activity of nano bioglass for bone tissue engineering application. Materials Technology, 2019, 34, 818-826.	1.5	19
5	Silk fibroin coated TiO ₂ nanotubes for improved osteogenic property of Ti6Al4V bone implants. Materials Science and Engineering C, 2019, 105, 109982.	3.8	34
6	Enhanced chondrogenic differentiation of human mesenchymal stem cells in silk fibroin/chitosan/glycosaminoglycan scaffolds under dynamic culture condition. Differentiation, 2019, 110, 36-48.	1.0	19
7	Preparation and characterization of gelatin-chitosan-nano ² -TCP based scaffold for orthopaedic application. Materials Science and Engineering C, 2018, 86, 83-94.	3.8	51
8	Interaction of osteoblast -TiO ₂ nanotubes in vitro: The combinatorial effect of surface topography and other physico-chemical factors governs the cell fate. Applied Surface Science, 2018, 449, 152-165.	3.1	31
9	Enhanced chondrogenesis of mesenchymal stem cells over silk fibroin/chitosan-chondroitin sulfate three dimensional scaffold in dynamic culture condition. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2576-2587.	1.6	23
10	<i>In vitro</i> cartilage construct generation from silk fibroin-chitosan porous scaffold and umbilical cord blood derived human mesenchymal stem cells in dynamic culture condition. Journal of Biomedical Materials Research - Part A, 2018, 106, 397-407.	2.1	32
11	Fabrication and evaluation of non-mulberry silk fibroin fiber reinforced chitosan based porous composite scaffold for cartilage tissue engineering. Tissue and Cell, 2018, 55, 83-90.	1.0	26
12	Novel Blowspun Nanobioactive Glass Doped Polycaprolactone/Silk Fibroin Composite Nanofibrous Scaffold with Enhanced Osteogenic Property for Bone Tissue Engineering. Fibers and Polymers, 2018, 19, 2465-2477.	1.1	7
13	Generation of bioactive nano-composite scaffold of nanobioglass/silk fibroin/carboxymethyl cellulose for bone tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 2011-2034.	1.9	38
14	Evaluation and Optimization of Organic Acid Pretreatment of Cotton Gin Waste for Enzymatic Hydrolysis and Bioethanol Production. Applied Biochemistry and Biotechnology, 2018, 186, 1047-1060.	1.4	33
15	Improvement of cellular responses of genipin cross-linked chitosan/nano ² -TCP composite scaffolds by surface modification with fibrin. Biomedical Physics and Engineering Express, 2018, 4, 045034.	0.6	4
16	Chondrogenic differentiation of mesenchymal stem cells on silk fibroin:chitosan-glucosamine scaffold in dynamic culture. Regenerative Medicine, 2018, 13, 545-558.	0.8	18
17	Preparation, Characterization and Assessment of the Novel Gelatin-tamarind Gum/Carboxymethyl Tamarind Gum-Based Phase-Separated Films for Skin Tissue Engineering Applications. Polymer-Plastics Technology and Engineering, 2017, 56, 141-152.	1.9	17
18	Ethno-Herbal-Medico in Wound Repair: An Incisive Review. Phytotherapy Research, 2017, 31, 579-590.	2.8	34

#	ARTICLE	IF	CITATIONS
19	Biological and mechanical evaluation of poly(lactic-co-glycolic acid)-based composites reinforced with 1D, 2D and 3D carbon biomaterials for bone tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 025012.	1.7	25
20	Development of a novel glucosamine/silk fibroin-chitosan blend porous scaffold for cartilage tissue engineering applications. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 11-19.	1.3	19
21	Development of novel silk fibroin/polyvinyl alcohol/sol-gel bioactive glass composite matrix by modified layer by layer electrospinning method for bone tissue construct generation. <i>Biofabrication</i> , 2017, 9, 015028.	3.7	54
22	Effect of carboxylated graphene nanoplatelets on mechanical and in-vitro biological properties of polyvinyl alcohol nanocomposite scaffolds for bone tissue engineering. <i>Materials Today Communications</i> , 2017, 12, 34-42.	0.9	24
23	Evaluating Fungal Mixed Culture for Pretreatment of Cotton Gin Waste to Bioethanol by Enzymatic Hydrolysis and Fermentation Using Co-Culture. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 1215-1223.	0.6	6
24	Natural Polymers: Tissue Engineering. , 2017, , 1206-1234.		0
25	Preparation and Evaluation of Gelatin-Chitosan-Nanobioglass 3D Porous Scaffold for Bone Tissue Engineering. <i>International Journal of Biomaterials</i> , 2016, 2016, 1-14.	1.1	151
26	Effect of Span 60 on the Microstructure, Crystallization Kinetics, and Mechanical Properties of Stearic Acid Oleogels: An In-Depth Analysis. <i>Journal of Food Science</i> , 2016, 81, E380-7.	1.5	43
27	Carboxymethyl cellulose enables silk fibroin nanofibrous scaffold with enhanced biomimetic potential for bone tissue engineering application. <i>Carbohydrate Polymers</i> , 2016, 151, 335-347.	5.1	117
28	Serum-free non-toxic freezing solution for cryopreservation of human adipose tissue-derived mesenchymal stem cells. <i>Biotechnology Letters</i> , 2016, 38, 1397-1404.	1.1	10
29	Chitosan-poly(vinyl alcohol) nanofibers by free surface electrospinning for tissue engineering applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 485-497.	1.6	64
30	Photo-mediated green synthesis of silver and zinc oxide nanoparticles using aqueous extracts of two mangrove plant species, <i>Heritiera fomes</i> and <i>Sonneratia apetala</i> and investigation of their biomedical applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 311-318.	1.7	154
31	Tailoring the <i>in vitro</i> characteristics of poly(vinyl alcohol)-nanohydroxyapatite composite scaffolds for bone tissue engineering. <i>Journal of Polymer Engineering</i> , 2016, 36, 771-784.	0.6	13
32	A novel electrospinning approach to fabricate high strength aqueous silk fibroin nanofibers. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 201-207.	3.6	48
33	Optimization and evaluation of silk fibroin-chitosan freeze-dried porous scaffolds for cartilage tissue engineering application. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 657-674.	1.9	58
34	Effect of Tween 20 on the Properties of Stearate Oleogels: an In-Depth Analysis. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2016, 93, 711-719.	0.8	31
35	Cobalt doped proangiogenic hydroxyapatite for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2016, 58, 648-658.	3.8	110
36	Antimicrobial activity of iron oxide nanoparticle upon modulation of nanoparticle-bacteria interface. <i>Scientific Reports</i> , 2015, 5, 14813.	1.6	557

#	ARTICLE	IF	CITATIONS
37	Novel organogel based lyotropic liquid crystal physical gels for controlled delivery applications. <i>European Polymer Journal</i> , 2015, 68, 326-337.	2.6	16
38	Osteogenic differentiation of human mesenchymal stem cells in freeze-gelled chitosan/nano β -tricalcium phosphate porous scaffolds crosslinked with genipin. <i>Materials Science and Engineering C</i> , 2015, 54, 76-83.	3.8	52
39	Development and characterization of gelatin-tamarind gum/carboxymethyl tamarind gum based phase-separated hydrogels: a comparative study. <i>Designed Monomers and Polymers</i> , 2015, 18, 434-450.	0.7	20
40	Sunflower Oil and Protein-based Novel Bigels as Matrices for Drug Delivery Applications—Characterization and <i>in vitro</i> Antimicrobial Efficiency. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 837-850.	1.9	31
41	Improving the osteogenic and angiogenic properties of synthetic hydroxyapatite by dual doping of bivalent cobalt and magnesium ion. <i>Ceramics International</i> , 2015, 41, 11323-11333.	2.3	90
42	Calcium alginate-carboxymethyl cellulose beads for colon-targeted drug delivery. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 409-417.	3.6	192
43	Myoblast differentiation of human mesenchymal stem cells on graphene oxide and electrospun graphene oxide—polymer composite fibrous meshes: importance of graphene oxide conductivity and dielectric constant on their biocompatibility. <i>Biofabrication</i> , 2015, 7, 015009.	3.7	90
44	Synthesis and characterization of novel dual environment-responsive hydrogels of Hydroxyethyl methacrylate and Methyl cellulose. <i>Designed Monomers and Polymers</i> , 2015, 18, 367-377.	0.7	9
45	Autophagy protein Ulk1 promotes mitochondrial apoptosis through reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2015, 89, 311-321.	1.3	35
46	Bioconversion of Cotton Gin Waste to Bioethanol. <i>Soil Biology</i> , 2015, , 267-288.	0.6	6
47	Evaluation extracellular matrix—chitosan composite films for wound healing application. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 220.	1.7	9
48	Nickel doped nanohydroxyapatite: vascular endothelial growth factor inducing biomaterial for bone tissue engineering. <i>RSC Advances</i> , 2015, 5, 72515-72528.	1.7	30
49	Enhanced osteogenic potential of human mesenchymal stem cells on electrospun nanofibrous scaffolds prepared from eri—tasar silk fibroin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 971-982.	1.6	18
50	Development of novel electrospun nanofibrous scaffold from P. ricini and A. mylitta silk fibroin blend with improved surface and biological properties. <i>Materials Science and Engineering C</i> , 2015, 48, 521-532.	3.8	39
51	Ultrasonication-Assisted Preparation and Characterization of Emulsions and Emulsion Gels for Topical Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1035-1044.	1.6	8
52	Development of fibrin conjugated chitosan/nano β -TCP composite scaffolds with improved cell supportive property for bone tissue regeneration. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	8
53	Development and Characterization of Sorbitan Monostearate and Sesame Oil-Based Organogels for Topical Delivery of Antimicrobials. <i>AAPS PharmSciTech</i> , 2015, 16, 293-305.	1.5	59
54	Core—shell-type organogel—alginate hybrid microparticles: A controlled delivery vehicle. <i>Chemical Engineering Journal</i> , 2015, 264, 134-145.	6.6	21

#	ARTICLE	IF	CITATIONS
55	Recent Advancement in the Treatment of Cardiovascular Diseases: Conventional Therapy to Nanotechnology. <i>Current Pharmaceutical Design</i> , 2015, 21, 4479-4497.	0.9	24
56	Molecular docking and interactions of pueraria tuberosa with vascular endothelial growth factor receptors. <i>Indian Journal of Pharmaceutical Sciences</i> , 2015, 77, 439.	1.0	13
57	Development and Characterization of Soy Lecithin and Palm Oil-based Organogels. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 865-879.	1.9	27
58	In vitro and in vivo antitumor effects of Peanut agglutinin through induction of apoptotic and autophagic cell death. <i>Food and Chemical Toxicology</i> , 2014, 64, 369-377.	1.8	45
59	Extraction and characterization of biocompatible hydroxyapatite from fresh water fish scales for tissue engineering scaffold. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 433-440.	1.7	72
60	Soluble eggshell membrane protein modified porous silk fibroin scaffolds with enhanced cell adhesion and proliferation properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	26
61	Olive oil based novel thermo-reversible emulsion hydrogels for controlled delivery applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 703-721.	1.7	56
62	Targeting Cryopreservation-Induced Cell Death: A Review. <i>Biopreservation and Biobanking</i> , 2014, 12, 23-34.	0.5	95
63	Directing osteogenesis of stem cells with hydroxyapatite precipitated electrospun eriã€tasar silk fibroin nanofibrous scaffold. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1440-1457.	1.9	19
64	Effects of micro and nano ð€TCP fillers in freezeã€gelled chitosan scaffolds for bone tissue engineering. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	27
65	Role of the Apoptosis Pathway in Cryopreservation-Induced Cell Death in Mesenchymal Stem Cells Derived from Umbilical Cord Blood. <i>Biopreservation and Biobanking</i> , 2014, 12, 246-254.	0.5	43
66	Degradation Mechanism and Control of Blended Eri and Tasar Silk Nanofiber. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2403-2412.	1.4	6
67	Antitumor effect of soybean lectin mediated through reactive oxygen species-dependent pathway. <i>Life Sciences</i> , 2014, 111, 27-35.	2.0	64
68	Preparation and characterization of novel carbopol based bigels for topical delivery of metronidazole for the treatment of bacterial vaginosis. <i>Materials Science and Engineering C</i> , 2014, 44, 151-158.	3.8	120
69	Guar gum and sesame oil based novel bigels for controlled drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 582-592.	2.5	119
70	Development of mustard oil- and groundnut oil-based span 40 organogels as matrices for controlled drug delivery. <i>Designed Monomers and Polymers</i> , 2014, 17, 545-556.	0.7	7
71	Cryopreservation of hMSCs seeded silk nanofibers based tissue engineered constructs. <i>Cryobiology</i> , 2014, 68, 332-342.	0.3	33
72	Biocompatibility of electrospun graphene oxideã€poly(Ï€-caprolactone) fibrous scaffolds with human cord blood mesenchymal stem cells derived skeletal myoblast. <i>Materials Letters</i> , 2014, 126, 109-112.	1.3	25

#	ARTICLE	IF	CITATIONS
73	Development and evaluation of cross-linked collagen-hydroxyapatite scaffolds for tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 2031-2044.	1.9	21
74	Bioethanol Production from Ipomoea Carnea Biomass Using a Potential Hybrid Yeast Strain. Applied Biochemistry and Biotechnology, 2013, 171, 771-785.	1.4	30
75	Castor oil and sorbitan monopalmitate based organogel as a probable matrix for controlled drug delivery. Journal of Applied Polymer Science, 2013, 130, 1503-1515.	1.3	62
76	Preparation and characterization of nanocrystalline hydroxyapatite from egg shell and K ₂ HPO ₄ solution. Materials Letters, 2013, 97, 148-150.	1.3	50
77	Sunflower-based lecithin organogels as matrices for controlled drug delivery. Journal of Applied Polymer Science, 2013, 129, 585-594.	1.3	46
78	Development of olive oil based organogels using sorbitan monopalmitate and sorbitan monostearate: A comparative study. Journal of Applied Polymer Science, 2013, 129, 793-805.	1.3	49
79	Encapsulation of vegetable organogels for controlled delivery applications. Designed Monomers and Polymers, 2013, 16, 366-376.	0.7	24
80	Cryopreservation-Induced Stress on Long-Term Preserved Articular Cartilage. ISRN Tissue Engineering, 2013, 2013, 1-10.	0.5	11
81	Hydroxyapatite and Hydroxyapatite-Chitosan Composite from Crab Shell. Journal of Biomaterials and Tissue Engineering, 2013, 3, 653-657.	0.0	9
82	Effects of non-toxic cryoprotective agents on the viability of cord blood derived MNCs. Cryo-Letters, 2013, 34, 453-65.	0.1	7
83	Surface modification and characterisation of natural polymers for orthopaedic tissue engineering: a review. International Journal of Biomedical Engineering and Technology, 2012, 9, 101.	0.2	7
84	Improvement of multiple stress tolerance in yeast strain by sequential mutagenesis for enhanced bioethanol production. Journal of Bioscience and Bioengineering, 2012, 114, 622-629.	1.1	33
85	Black tea leaf extract derived Ag nanoparticle-PVA composite film: Structural and dielectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1741-1747.	1.7	41
86	Improved Bioethanol Production Using Fusants of Saccharomyces cerevisiae and Xylose-Fermenting Yeasts. Applied Biochemistry and Biotechnology, 2012, 167, 873-884.	1.4	22
87	Immunomodulatory Properties of Mesenchymal Stem Cells: Cytokines and Factors. American Journal of Reproductive Immunology, 2012, 67, 1-8.	1.2	196
88	Preparation and Characterization of Poly(vinyl alcohol) Based Scaffold Using Improved Salt Leaching Method. Journal of Biomaterials and Tissue Engineering, 2012, 2, 61-66.	0.0	2
89	Aspergillus niser for the study of in vitro drug metabolism. , 2010, , .		1
90	Biomaterials for Tissue Engineered Scaffolds. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
91	Cryopreservation in Tissue Engineering: Challenges & Prospects. , 2010, , .		1
92	Polymers in Mucoadhesive Drug-Delivery Systems: A Brief Note. Designed Monomers and Polymers, 2009, 12, 483-495.	0.7	163
93	Properties and use of jatropha curcas oil and diesel fuel blends in compression ignition engine. Renewable Energy, 2003, 28, 239-248.	4.3	744
94	Natural Polymers: Tissue Engineering. , 0, , 5619-5647.		0
95	Eggshell Membrane Protein Modified Silk Fibroin-Poly Vinyl Alcohol Scaffold for Bone Tissue Engineering: & In Vitro& and & In Vivo& Study. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 32, 69-81.	0.5	9
96	Regenerated Silk Fibroin from B. mori Silk Cocoon for Tissue Engineering Applications. International Journal of Environmental Science and Development, 0, , 404-408.	0.2	68