# Anil Kumar Pr

List of Publications by Year
in descending order



| 41 | 1,421 | 566801 15 | 329751 37 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 41 | 41 | 41 | 2514 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Three-dimensional bioprinting of tissues and organs. , 2022, , 135-150. | | 0 |
| 2 | Highâ€throughput production of liver parenchymal microtissues and enrichment of organâ€specific functions in gelatin methacrylamide microenvironment. Biotechnology and Bioengineering, 2022, 119, 1018-1032. | 1.7 | 7 |
| 3 | Dental tissue engineering. , 2022, , 493-529. | | 1 |
| 4 | Radical scavenging gelatin methacrylamide based bioink formulation for three dimensional bioprinting of parenchymal liver construct. Bioprinting, 2022, 27, e00214. | 2.9 | 2 |
| 5 | Intelligent Biomaterials for Tissue Engineering and Biomedical Applications: Current Landscape and Future Prospects. , 2021, , 535-560. | | 3 |
| 6 | 3D Bioprinting in Tissue Engineering and Regenerative Medicine: Current Landscape and Future Prospects. , 2021, , 561-580. | | 2 |
| 7 | Direct cell imprint lithography in superconductive carbon black polymer composites: process optimization, characterization and in vitro toxicity analysis. Bioinspiration and Biomimetics, 2020, 15, 016002. | 1.5 | 9 |
| 8 | Bioengineered corneal epithelial cell sheet from mesenchymal stem cellsâ€”A functional alternative to limbal stem cells for ocular surface reconstruction. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1033-1045. | 1.6 | 31 |
| 9 | Peripheral Blood As a Source of Stem Cells for Regenerative Medicine: Emphasis Towards Corneal Epithelial Reconstructionâ€”An In Vitro Study. Tissue Engineering and Regenerative Medicine, 2020, 17, 495-510. | 1.6 | 6 |
| 10 | Simple and efficient approach for improved cytocompatibility and faster degradation of electrospun polycaprolactone fibers. Polymer Bulletin, 2019, 76, 1333-1347. | 1.7 | 9 |
| 11 | Strategies to Tune Electrospun Scaffold Porosity for Effective Cell Response in Tissue Engineering. Journal of Functional Biomaterials, 2019, 10, 30. | 1.8 | 103 |
| 12 | Synthetic Osteogenic Matrix using Polymeric Dendritic Peptides for treating Human Periodontal defects â€“ design and in vitro evaluation. Materials Today: Proceedings, 2019, 15, 199-216. | 0.9 | 3 |
| 13 | Selfâ€assembling polymeric dendritic peptide as functional osteogenic matrix for periodontal regeneration scaffoldsâ€”an in vitro study. Journal of Periodontal Research, 2019, 54, 468-480. | 1.4 | 12 |
| 14 | A Photoâ€Crosslinkable Kidney ECMâ€Derived Bioink Accelerates Renal Tissue Formation. Advanced Healthcare Materials, 2019, 8, e1800992. | 3.9 | 162 |
| 15 | Three-dimensional bioprinting for organ bioengineering: promise and pitfalls. Current Opinion in Organ Transplantation, 2018, 23, 649-656. | 0.8 | 11 |
| 16 | Optimization of gelatinâ€“alginate composite bioink printability using rheological parameters: a systematic approach. Biofabrication, 2018, 10, 034106. | 3.7 | 336 |
| 17 | Drug loaded microbeads entrapped electrospun mat for wound dressing application. Journal of Materials Science: Materials in Medicine, 2017, 28, 88. | 1.7 | 7 |
| 18 | Differential expression of transcription factors NF-ÎºB and STAT3 in periodontal ligament fibroblasts and gingiva of healthy and diseased individuals. Archives of Oral Biology, 2017, 82, 19-26. | 0.8 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A flexible thermoresponsive cell culture substrate for direct transfer of keratinocyte cell sheets. Biomedical Materials (Bristol), 2017, 12, 065012. | 1.7 | 1 |
| 20 | Biofunctionalised polycaprolactone fibrous mat as a transfer tool for cell sheet engineering. Fibers and Polymers, 2017, 18, 2094-2101. | 1.1 | 3 |
| 21 | Standardizing transdifferentiation of rabbit bone marrow mesenchymal stem cells to corneal lineage by simulating corneo-limbal cues. Journal of Stem Cell Research and Medicine, 2017, 2, . | 0.7 | 3 |
| 22 | Preparation, characterization and biological evaluation of curcumin loaded alginate aldehydeâ€“gelatin nanogels. Materials Science and Engineering C, 2016, 68, 251-257. | 3.8 | 111 |
| 23 | Galactosylated alginate-curcumin micelles for enhanced delivery of curcumin to hepatocytes. International Journal of Biological Macromolecules, 2016, 86, 1-9. | 3.6 | 47 |
| 24 | Graphene oxide decorated electrospun gelatin nanofibers: Fabrication, properties and applications. Materials Science and Engineering C, 2016, 64, 11-19. | 3.8 | 64 |
| 25 | A Novel, Single Step, Highly Sensitive <I>In-Vitro</I> Cell-Based Metabolic Assay Using Honeycomb Microporous Polymer Membranes. Journal of Biomedical Nanotechnology, 2015, 11, 590-599. | 0.5 | 4 |
| 26 | Characterization and in vitro evaluation of electrospun chitosan/polycaprolactone blend fibrous mat for skin tissue engineering. Journal of Materials Science: Materials in Medicine, 2015, 26, 5352. | 1.7 | 72 |
| 27 | Galactosylated pullulanâ€“curcumin conjugate micelles for site specific anticancer activity to hepatocarcinoma cells. Colloids and Surfaces B: Biointerfaces, 2015, 133, 347-355. | 2.5 | 43 |
| 28 | Gum arabic-curcumin conjugate micelles with enhanced loading for curcumin delivery to hepatocarcinoma cells. Carbohydrate Polymers, 2015, 134, 167-174. | 5.1 | 88 |
| 29 | Nanogels based on alginic aldehyde and gelatin by inverse miniemulsion technique: synthesis and characterization. Carbohydrate Polymers, 2015, 119, 118-125. | 5.1 | 72 |
| 30 | A non-adhesive hybrid scaffold from gelatin and gum Arabic as packed bed matrix for hepatocyte perfusion culture. Materials Science and Engineering C, 2015, 46, 341-347. | 3.8 | 7 |
| 31 | N-Isopropylacrylamide-co-glycidylmethacrylate as a Thermoresponsive Substrate for Corneal Endothelial Cell Sheet Engineering. BioMed Research International, 2014, 2014, 1-7. | 0.9 | 25 |
| 32 | Styrylcyanine-based ratiometric and tunable fluorescent pH sensors. RSC Advances, 2014, 4, 56063-56067. | 1.7 | 8 |
| 33 | Modified dextran cross-linked electrospun gelatin nanofibres for biomedical applications. Carbohydrate Polymers, 2014, 114, 467-475. | 5.1 | 64 |
| 34 | Solâ€“gel nanoporous silica as substrate for immobilization of conjugated biomolecules for application as fluorescence resonance energy transfer (FRET) based biosensor. Sensors and Actuators B: Chemical, 2013, 185, 252-257. | 4.0 | 9 |
| 35 | Evaluation of Polypropylene Hollow-Fiber Prototype Bioreactor for Bioartificial Liver. Tissue Engineering - Part A, 2013, 19, 1056-1066. | 1.6 | 13 |
| 36 | Porous composites of hydroxyapatiteâ€filled poly[ethyleneâ€coâ€(vinyl acetate)] for tissue engineering. Polymer International, 2011, 60, 51-58. | 1.6 | 10 |

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|---|---|---|---|
| 37 | Intelligent Thermoresponsive Substrate from Modified Overhead Projection Sheet as a Tool for Construction and Support of Cell Sheets In Vitro. Tissue Engineering - Part C: Methods, 2011, 17, 181-191. | 1.1 | 9 |
| 38 | A novel thermoresponsive graft copolymer containing phosphorylated HEMA for generating detachable cell layers. Journal of Applied Polymer Science, 2010, 115, 52-62. | 1.3 | 4 |
| 39 | A Cytocompatible Poly(N-isopropylacrylamide-co-glycidylmethacrylate) Coated Surface as New Substrate for Corneal Tissue Engineering. Journal of Bioactive and Compatible Polymers, 2010, 25, 58-74. | 0.8 | 22 |
| 40 | Cell patch seeding and functional analysis of cellularized scaffolds for tissue engineering. Biomedical Materials (Bristol), 2007, 2, 48-54. | 1.7 | 8 |
| 41 | Alternate method for grafting thermoresponsive polymer for transferringin vitro cell sheet structures. Journal of Applied Polymer Science, 2007, 105, 2245-2251. | 1.3 | 17 |