

Gopal Pande

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,604
citations

361296

20
h-index

302012

39
g-index

50
all docs

50
docs citations

50
times ranked

2516
citing authors

#	ARTICLE	IF	CITATIONS
1	Mg–Zr–Sr alloys as biodegradable implant materials. <i>Acta Biomaterialia</i> , 2012, 8, 3177-3188.	4.1	251
2	Human Fetal Liver-Derived Stem Cell Transplantation as Supportive Modality in the Management of End-Stage Decompensated Liver Cirrhosis. <i>Cell Transplantation</i> , 2010, 19, 409-418.	1.2	146
3	The influence of surface energy of titanium–zirconium alloy on osteoblast cell functions <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 27-36.	2.1	107
4	The role of membrane lipids in regulation of integrin functions. <i>Current Opinion in Cell Biology</i> , 2000, 12, 569-574.	2.6	79
5	Cholesterol Biosynthesis and Homeostasis in Regulation of the Cell Cycle. <i>PLoS ONE</i> , 2013, 8, e58833.	1.1	75
6	Changes in cholesterol levels in the plasma membrane modulate cell signaling and regulate cell adhesion and migration on fibronectin. <i>Cytoskeleton</i> , 2007, 64, 199-216.	4.4	70
7	Alterations in Cell-Extracellular Matrix Interactions during Progression of Cancers. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-8.	1.0	69
8	p53 Target Gene SMAR1 Is Dysregulated in Breast Cancer: Its Role in Cancer Cell Migration and Invasion. <i>PLoS ONE</i> , 2007, 2, e660.	1.1	60
9	Mutation in the A block of the yeast tRNA ^{3Leu} gene that allows transcription but abolishes splicing and 5'-end maturation. <i>Cell</i> , 1983, 32, 67-76.	13.5	46
10	Modulation of $\alpha 5 \beta 1$ integrin functions by the phospholipid and cholesterol contents of cell membranes. <i>Journal of Cellular Biochemistry</i> , 2000, 77, 517-528.	1.2	42
11	Cell biological responses of osteoblasts on anodized nanotubular surface of a titanium–zirconium alloy. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101, 3416-3430.	2.1	42
12	Collagen type-I leads to <i>in vivo</i> matrix mineralization and secondary stabilization of Mg–Zr–Ca alloy implants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 719-728.	2.5	41
13	Expression of cell adhesion and differentiation related genes in MC3T3 osteoblasts plated on titanium alloys: role of surface properties. <i>Materials Science and Engineering C</i> , 2013, 33, 1573-1582.	3.8	40
14	Characterization of hepatic progenitors from human fetal liver during second trimester. <i>World Journal of Gastroenterology</i> , 2008, 14, 5730.	1.4	39
15	Lipopeptide with a RGDK Tetrapeptide Sequence Can Selectively Target Genes to Proangiogenic $\alpha 5 \beta 1$ Integrin Receptor and Mouse Tumor Vasculature. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7298-7302.	2.9	38
16	Flow cytometric study of changes in the intracellular free calcium during the cell cycle. , 1996, 24, 55-63.		37
17	Heterogeneity of DNA content and expression of cell cycle genes in axenically growing <i>Entamoeba histolytica</i> HM1:IMSS clone A. <i>Molecular and Biochemical Parasitology</i> , 1997, 90, 9-20.	0.5	34
18	<i>Ex vivo</i> expansion of haematopoietic stem/progenitor cells from human umbilical cord blood on acellular scaffolds prepared from MS-5 stromal cell line. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 871-883.	1.3	34

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19	Strategies to prepare TiO ₂ thin films, doped with transition metal ions, that exhibit specific physicochemical properties to support osteoblast cell adhesion and proliferation. <i>Materials Science and Engineering C</i> , 2014, 37, 99-107.	3.8	26
20	Variation of mitochondrial size during the cell cycle: A multiparameter flow cytometric and microscopic study. <i>Cytometry</i> , 2004, 62A, 97-108.	1.8	24
21	Zirconium, calcium, and strontium contents in magnesium based biodegradable alloys modulate the efficiency of implant-induced osseointegration. <i>International Journal of Nanomedicine</i> , 2013, 8, 2887.	3.3	21
22	Synthesis and functional characterization of a fluorescent peptide probe for non invasive imaging of collagen in live tissues. <i>Experimental Cell Research</i> , 2014, 327, 91-101.	1.2	21
23	Primary structure of <i>Entamoeba histolytica</i> β -tubulin and localisation of amoebic microtubule organising centres. <i>Molecular and Biochemical Parasitology</i> , 1997, 90, 331-336.	0.5	18
24	Osteohematopoietic Stem Cell Niches in Bone Marrow. <i>International Review of Cell and Molecular Biology</i> , 2012, 298, 95-133.	1.6	17
25	Correlates of developmental cell death in <i>Dictyostelium discoideum</i> . <i>Differentiation</i> , 2002, 70, 272-281.	1.0	15
26	<i>In vitro</i> quantitative and relative gene expression analysis of pancreatic transcription factors β 1, β 2, β 3, β 4, β 6 and β 1 in transdifferentiated human hepatic progenitors. <i>Journal of Diabetes Investigation</i> , 2014, 5, 492-500.	1.1	15
27	Bimodal distribution of motility and cell fate in <i>Dictyostelium discoideum</i> . <i>International Journal of Developmental Biology</i> , 2012, 56, 263-272.	0.3	15
28	Cholesterol alters the interaction of glycosphingolipid GM3 with α 5 β 1 integrin and increases integrin-mediated cell adhesion to fibronectin. <i>Experimental Cell Research</i> , 2004, 300, 43-53.	1.2	14
29	Modulation of α 5 β 1 and α 5 β 3 integrins on the cell surface during mitosis. <i>Journal of Cellular Biochemistry</i> , 1996, 61, 338-349.	1.2	13
30	Histological analysis of cells and matrix mineralization of new bone tissue induced in rabbit femur bones by Mg-Zr based biodegradable implants. <i>Acta Histochemica</i> , 2013, 115, 748-756.	0.9	13
31	Strontium content and collagen coating of Magnesium-Zirconia-Strontium implants influence osteogenesis and bone resorption. <i>Clinical Oral Implants Research</i> , 2016, 27, e15-24.	1.9	13
32	Direct association between caspase 3 and α 5 β 1 integrin and its role during anoikis of rat fibroblasts. <i>Cell Biology International</i> , 2006, 30, 963-969.	1.4	12
33	Applications of human hematopoietic stem cells isolated and expanded from different tissues in regenerative medicine. <i>Regenerative Medicine</i> , 2013, 8, 783-795.	0.8	12
34	Expansion of Human Hematopoietic Stem/Progenitor Cells on Decellularized Matrix Scaffolds. <i>Current Protocols in Stem Cell Biology</i> , 2016, 36, 1C.15.1-1C.15.16.	3.0	11
35	THE SIGNIFICANCE OF α 5 β 1 INTEGRIN DEPENDENT AND INDEPENDENT ACTIN CYTOSKELTON ORGANIZATION IN CELL TRANSFORMATION AND SURVIVAL. <i>Cell Biology International</i> , 2002, 26, 1043-1055.	1.4	10
36	Bone-like growth of hydroxyapatite in the biomimetic coating of Ti-6Al-4V alloy pretreated with protein at 25 °C. <i>Journal of Materials Research</i> , 2009, 24, 2145-2153.	1.2	10

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37	Multifunctional gradient coatings of phosphate-free bioactive glass on SS316L biomedical implant materials for improved fixation. <i>Surface and Coatings Technology</i> , 2014, 240, 437-443.	2.2	9
38	Differential gene expression and clonal selection during cellular transformation induced by adhesion deprivation. <i>BMC Cell Biology</i> , 2010, 11, 93.	3.0	8
39	Growth, differentiation, and migration of osteoblasts on transparent Ni doped TiO ₂ thin films deposited on borosilicate glass. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1168-1178.	2.1	8
40	Expansion of Human Hematopoietic Stem/Progenitor Cells on Decellularized Matrix Scaffolds. <i>Current Protocols in Stem Cell Biology</i> , 2014, 28, Unit 1C.15..	3.0	8
41	Enhanced <i>Ex Vivo</i> Expansion of Human Hematopoietic Progenitors on Native and Spin Coated Acellular Matrices Prepared from Bone Marrow Stromal Cells. <i>Stem Cells International</i> , 2016, 2016, 1-13.	1.2	8
42	A correlation between membrane cholesterol level, cell adhesion and tumorigenicity of polyoma virus transformed cells. <i>Molecular and Cellular Biochemistry</i> , 2004, 265, 83-95.	1.4	6
43	Comparative assessment of structural and biological properties of biomimetically coated hydroxyapatite on alumina (Al ₂ O ₃) and titanium (Ti-6Al-4V) alloy substrates. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 913-926.	2.1	6
44	Flow cytometric measurement of NK cell immunoconjugates by pulse width processing. <i>Cytometry</i> , 1995, 19, 320-325.	1.8	5
45	Differential expression of fibronectin in a rat histiocytoma: Possible role of fibronectin in tumor cell adhesion. <i>Experimental Cell Research</i> , 1988, 174, 41-48.	1.2	4
46	Differential regulation of the lateral mobility of plasma membrane phospholipids by the extracellular matrix and cholesterol. <i>Journal of Cellular Physiology</i> , 2008, 215, 550-561.	2.0	4
47	Proteomic Analysis Of The "Side Population" (SP) Cells From Murine Bone Marrow. <i>Journal of Proteomics and Bioinformatics</i> , 2009, 02, 398-407.	0.4	4
48	Cell Based Therapy for Chronic Liver Disease: Role of Fetal Liver Cells in Restoration of the Liver Cell Functions. , 2012, , .		2
49	Identification of a marker chromosome in a rat ascitic tumor by flow cytometry using a modified method for preparing chromosome suspensions. <i>Cytometry</i> , 1993, 14, 349-353.	1.8	1
50	Modulation of β_1 integrin functions by the phospholipid and cholesterol contents of cell membranes. <i>Journal of Cellular Biochemistry</i> , 2000, 77, 517.	1.2	1