

# Selvarangan Ponnazhagan

## List of Publications by Year in descending order

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89  
papers

4,055  
citations

94433

37  
h-index

128289

60  
g-index

90  
all docs

90  
docs citations

90  
times ranked

5580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Potential of Mesenchymal Stem Cells Producing Interferon- $\beta$ in a Mouse Melanoma Lung Metastasis Model. <i>Stem Cells</i> , 2008, 26, 2332-2338.	3.2	181
2	Depletion of Plasmacytoid Dendritic Cells Inhibits Tumor Growth and Prevents Bone Metastasis of Breast Cancer Cells. <i>Journal of Immunology</i> , 2012, 189, 4258-4265.	0.8	155
3	Bone homing of mesenchymal stem cells by ectopic $\alpha 4$ integrin expression. <i>FASEB Journal</i> , 2007, 21, 3917-3927.	0.5	153
4	Myeloid-Derived Suppressor Cells Function as Novel Osteoclast Progenitors Enhancing Bone Loss in Breast Cancer. <i>Cancer Research</i> , 2013, 73, 672-682.	0.9	153
5	Mesenchymal Stem Cells Expressing Osteogenic and Angiogenic Factors Synergistically Enhance Bone Formation in a Mouse Model of Segmental Bone Defect. <i>Molecular Therapy</i> , 2010, 18, 1026-1034.	8.2	143
6	Lack of Site-Specific Integration of the Recombinant Adeno-Associated Virus 2 Genomes in Human Cells. <i>Human Gene Therapy</i> , 1997, 8, 275-284.	2.7	142
7	Adeno-associated virus 2-mediated gene transfer in vivo: organ-tropism and expression of transduced sequences in mice. <i>Gene</i> , 1997, 190, 203-210.	2.2	128
8	Revisiting Immunotherapy: A Focus on Prostate Cancer. <i>Cancer Research</i> , 2020, 80, 1615-1623.	0.9	120
9	Adeno-Associated Virus Type 2-Mediated Gene Transfer: Correlation of Tyrosine Phosphorylation of the Cellular Single-Stranded D Sequence-Binding Protein with Transgene Expression in Human Cells In Vitro and Murine Tissues In Vivo. <i>Journal of Virology</i> , 1998, 72, 1593-1599.	3.4	118
10	Conjugate-Based Targeting of Recombinant Adeno-Associated Virus Type 2 Vectors by Using Avidin-Linked Ligands. <i>Journal of Virology</i> , 2002, 76, 12900-12907.	3.4	116
11	Therapeutic potential of adult bone marrow-derived mesenchymal stem cells in diseases of the skeleton. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 249-257.	2.6	110
12	Mobilization of bone marrow mesenchymal stem cells in vivo augments bone healing in a mouse model of segmental bone defect. <i>Bone</i> , 2012, 50, 1012-1018.	2.9	96
13	Adeno-Associated Virus Type 2-Mediated Gene Transfer: Role of Epidermal Growth Factor Receptor Protein Tyrosine Kinase in Transgene Expression. <i>Journal of Virology</i> , 1998, 72, 9835-9843.	3.4	92
14	Myeloid-Derived Suppressor Cells Impair B Cell Responses in Lung Cancer through IL-7 and STAT5. <i>Journal of Immunology</i> , 2018, 201, 278-295.	0.8	89
15	Anti-A $\beta$ single-chain antibody delivery via adeno-associated virus for treatment of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2006, 23, 502-511.	4.4	84
16	Mousesilver.mutation is caused by a single base insertion in the putative cytoplasmic domain of Pmel 17. <i>Nucleic Acids Research</i> , 1995, 23, 154-158.	14.5	77
17	Adeno-Associated Virus Type 2-Mediated Transduction of Human Monocyte-Derived Dendritic Cells: Implications for Ex Vivo Immunotherapy. <i>Journal of Virology</i> , 2001, 75, 9493-9501.	3.4	76
18	Enhancement of Antitumor Immunity in Lung Cancer by Targeting Myeloid-Derived Suppressor Cell Pathways. <i>Cancer Research</i> , 2013, 73, 6609-6620.	0.9	75

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19	Adeno-Associated Virus 2-Mediated Antiangiogenic Cancer Gene Therapy. <i>Cancer Research</i> , 2004, 64, 1781-1787.	0.9	74
20	Evaluation of recombinant adeno-associated virus as a gene transfer vector for the retina. <i>Current Eye Research</i> , 1997, 16, 949-956.	1.5	71
21	Myeloid-Derived Suppressor Cells as Osteoclast Progenitors: A Novel Target for Controlling Osteolytic Bone Metastasis. <i>Cancer Research</i> , 2013, 73, 4606-4610.	0.9	69
22	Rescue and Replication Signals of the Adeno-associated Virus 2 Genome. <i>Journal of Molecular Biology</i> , 1995, 250, 573-580.	4.2	67
23	Characterization of immune cell subtypes in three commonly used mouse strains reveals gender and strain-specific variations. <i>Laboratory Investigation</i> , 2019, 99, 93-106.	3.7	67
24	Indoleamine 2,3-dioxygenase regulates anti-tumor immunity in lung cancer by metabolic reprogramming of immune cells in the tumor microenvironment. <i>Oncotarget</i> , 2016, 7, 75407-75424.	1.8	66
25	Protein Transduction of Dendritic Cells for NY-ESO-1-Based Immunotherapy of Myeloma. <i>Cancer Research</i> , 2005, 65, 10041-10049.	0.9	61
26	Characterization of Wild-Type Adeno-Associated Virus Type 2-Like Particles Generated during Recombinant Viral Vector Production and Strategies for Their Elimination. <i>Journal of Virology</i> , 1998, 72, 5472-5480.	3.4	61
27	Osteogenic Differentiation of Recombinant Adeno-Associated Virus 2-Transduced Murine Mesenchymal Stem Cells and Development of an Immunocompetent Mouse Model for Ex Vivo Osteoporosis Gene Therapy. <i>Human Gene Therapy</i> , 2004, 15, 1197-1206.	2.7	59
28	SOCS3 Deficiency in Myeloid Cells Promotes Tumor Development: Involvement of STAT3 Activation and Myeloid-Derived Suppressor Cells. <i>Cancer Immunology Research</i> , 2015, 3, 727-740.	3.4	54
29	Therapeutic Potential of Adult Bone Marrow-Derived Mesenchymal Stem Cells in Prostate Cancer Bone Metastasis. <i>Clinical Cancer Research</i> , 2009, 15, 7175-7185.	7.0	50
30	Hedgehog Signaling Regulates Metabolism and Polarization of Mammary Tumor-Associated Macrophages. <i>Cancer Research</i> , 2021, 81, 5425-5437.	0.9	50
31	Silencing of Transforming Growth Factor- $\beta$ 1 <i>In situ</i> by RNA Interference for Breast Cancer: Implications for Proliferation and Migration <i>In vitro</i> and Metastasis <i>In vivo</i> . <i>Clinical Cancer Research</i> , 2008, 14, 4961-4970.	7.0	48
32	Free fatty acids enhance breast cancer cell migration through plasminogen activator inhibitor-1 and SMAD4. <i>Laboratory Investigation</i> , 2009, 89, 1221-1228.	3.7	46
33	Resveratrol induces mitochondria-mediated, caspase-independent apoptosis in murine prostate cancer cells. <i>Oncotarget</i> , 2017, 8, 20895-20908.	1.8	46
34	Recombinant Human Parvovirus B19 Vectors: Erythroid Cell-Specific Delivery and Expression of Transduced Genes. <i>Journal of Virology</i> , 1998, 72, 5224-5230.	3.4	46
35	Structural Organization of the Human Tyrosinase Gene and Sequence Analysis and Characterization of its Promoter Region. <i>Journal of Investigative Dermatology</i> , 1994, 102, 744-748.	0.7	45
36	Effects of Sustained Antiangiogenic Therapy in Multistage Prostate Cancer in TRAMP Model. <i>Cancer Research</i> , 2007, 67, 5789-5797.	0.9	44

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37	LL&37 as a therapeutic target for late stage prostate cancer. Prostate, 2011, 71, 659-670.	2.3	43
38	Silencing of TGF- $\beta$ 21 in tumor cells impacts MMP-9 in tumor microenvironment. Scientific Reports, 2017, 7, 8678.	3.3	41
39	Telomere Maintenance in Laser Capture Microdissection&quot;Purified Barrett's Adenocarcinoma Cells and Effect of Telomerase Inhibition <i>In vivo</i>. Clinical Cancer Research, 2008, 14, 4971-4980.	7.0	39
40	Endostatin: A novel inhibitor of androgen receptor function in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1392-1397.	7.1	37
41	Polyglutamate directed coupling of bioactive peptides for the delivery of&Aosteoinductive signals on allograft bone. Biomaterials, 2013, 34, 1506-1513.	11.4	34
42	Anti-Amyloid- $\beta$ 2 Single-Chain Antibody Brain Delivery Via AAV Reduces Amyloid Load But May Increase Cerebral Hemorrhages in an Alzheimer's Disease Mouse Model. Journal of Alzheimer's Disease, 2011, 27, 23-38.	2.6	33
43	Conditionally Replicating Adenovirus Expressing TIMP2 for Ovarian Cancer Therapy. Clinical Cancer Research, 2011, 17, 538-549.	7.0	33
44	Differential effects of low-dose decitabine on immune effector and suppressor responses in melanoma-bearing mice. Cancer Immunology, Immunotherapy, 2012, 61, 1441-1450.	4.2	33
45	Osteoclast proton pump regulator Atp6v1c1 enhances breast cancer growth by activating the mTORC1 pathway and bone metastasis by increasing V-ATPase activity. Oncotarget, 2017, 8, 47675-47690.	1.8	33
46	Systemic Osteoprotegerin Gene Therapy Restores Tumor-induced Bone Loss in a Therapeutic Model of Breast Cancer Bone Metastasis. Molecular Therapy, 2008, 16, 871-878.	8.2	32
47	Prostate cancer-derived cathelicidin-related antimicrobial peptide facilitates macrophage differentiation and polarization of immature myeloid progenitors to protumorigenic macrophages. Prostate, 2016, 76, 624-636.	2.3	32
48	Antiangiogenic cancer gene therapy by adeno-associated virus 2-mediated stable expression of the soluble FMS-like tyrosine kinase-1 receptor. Cancer Gene Therapy, 2005, 12, 26-34.	4.6	31
49	Recombinant AAV-CEA Tumor Vaccine in Combination with an Immune Adjuvant Breaks Tolerance and Provides Protective Immunity. Molecular Therapy - Oncolytics, 2019, 12, 41-48.	4.4	29
50	Genetic Modification of Adeno-Associated Viral Vector Type 2 Capsid Enhances Gene Transfer Efficiency in Polarized Human Airway Epithelial Cells. Human Gene Therapy, 2008, 19, 1407-1414.	2.7	27
51	Mechanical strain induces phenotypic changes in breast cancer cells and promotes immunosuppression in the tumor microenvironment. Laboratory Investigation, 2020, 100, 1503-1516.	3.7	27
52	Genomic Stability of Self-Complementary Adeno-Associated Virus 2 During Early Stages of Transduction in Mouse Muscle In Vivo. Human Gene Therapy, 2005, 16, 1047-1057.	2.7	26
53	Determination of osteoprogenitor-specific promoter activity in mouse mesenchymal stem cells by recombinant adeno-associated virus transduction. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1731, 95-103.	2.4	25
54	Noggin Is Novel Inducer of Mesenchymal Stem Cell Adipogenesis. Journal of Biological Chemistry, 2012, 287, 12241-12249.	3.4	23

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55	Muscle-Directed Anti-A $\beta$ Single-Chain Antibody Delivery via AAV1 Reduces Cerebral A $\beta$ Load in an Alzheimer's Disease Mouse Model. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 277-288.	2.3	20
56	Runx2 Deficiency in Osteoblasts Promotes Myeloma Progression by Altering the Bone Microenvironment at New Bone Sites. <i>Cancer Research</i> , 2020, 80, 1036-1048.	0.9	18
57	Recombinant adeno-associated virus 2-mediated antiangiogenic prevention in a mouse model of intraperitoneal ovarian cancer. <i>Clinical Cancer Research</i> , 2005, 11, 1342-7.	7.0	18
58	Adeno-Associated Virus 2-Mediated Transduction and Erythroid Lineage-Restricted Expression from Parvovirus B19p6 Promoter in Primary Human Hematopoietic Progenitor Cells. <i>Journal of Hematotherapy and Stem Cell Research</i> , 1999, 8, 585-592.	1.8	17
59	Role of plasmacytoid dendritic cells in breast cancer bone dissemination. <i>Oncolmmunology</i> , 2013, 2, e22983.	4.6	17
60	Anterior Gradient Protein-2 Is a Regulator of Cellular Adhesion in Prostate Cancer. <i>PLoS ONE</i> , 2014, 9, e89940.	2.5	17
61	Augmentation of Antitumor Activity of a Recombinant Adeno-Associated Virus Carcinoembryonic Antigen Vaccine with Plasmid Adjuvant. <i>Human Gene Therapy</i> , 2004, 15, 856-864.	2.7	16
62	Immature myeloid cells are critical for enhancing bone fracture healing through angiogenic cascade. <i>Bone</i> , 2016, 93, 113-124.	2.9	16
63	Cord Blood Transplantation and the Potential for Gene Therapy.. <i>Annals of the New York Academy of Sciences</i> , 1995, 770, 105-115.	3.8	15
64	Location of tumor affects local and distant immune cell type and number. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 85-94.	2.7	14
65	Bacteriophage hyaluronidase effectively inhibits growth, migration and invasion by disrupting hyaluronan-mediated Erk1/2 activation and RhoA expression in human breast carcinoma cells. <i>Cancer Letters</i> , 2010, 298, 238-249.	7.2	13
66	Notch1 Augments Intracellular Trafficking of Adeno-Associated Virus Type 2. <i>Journal of Virology</i> , 2007, 81, 2069-2073.	3.4	12
67	Myeloid-derived suppressor cells as a novel target for the control of osteolytic bone disease. <i>Oncolmmunology</i> , 2013, 2, e24064.	4.6	12
68	Effects of Cellular Methylation on Transgene Expression and Site-Specific Integration of Adeno-Associated Virus. <i>Genes</i> , 2017, 8, 232.	2.4	12
69	Endostatin inhibits androgen-independent prostate cancer growth by suppressing nuclear receptor-mediated oxidative stress. <i>FASEB Journal</i> , 2017, 31, 1608-1619.	0.5	11
70	Structural determinants and genetic modifications enhance BMP2 stability and extracellular secretion. <i>FASEB BioAdvances</i> , 2019, 1, 180-190.	2.4	11
71	Parvovirus vectors for cancer gene therapy. <i>Expert Opinion on Biological Therapy</i> , 2004, 4, 53-64.	3.1	10
72	Tumoristatic effects of endostatin in prostate cancer is dependent on androgen receptor status. <i>Prostate</i> , 2009, 69, 1055-1066.	2.3	10

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73	Variants of Osteoprotegerin Lacking TRAIL Binding for Therapeutic Bone Remodeling in Osteolytic Malignancies. <i>Molecular Cancer Research</i> , 2015, 13, 819-827.	3.4	10
74	Conditionally Replicating Adenovirus Expressing TIMP2 Increases Survival in a Mouse Model of Disseminated Ovarian Cancer. <i>PLoS ONE</i> , 2011, 6, e25131.	2.5	9
75	Mesenchymal stem cells expressing osteoprotegerin variants inhibit osteolysis in a murine model of multiple myeloma. <i>Blood Advances</i> , 2017, 1, 2375-2385.	5.2	8
76	Extracellular Vesicle Mediated Tumor-Stromal Crosstalk Within an Engineered Lung Cancer Model. <i>Frontiers in Oncology</i> , 2021, 11, 654922.	2.8	8
77	Clinical significance of a novel single nucleotide polymorphism in the 5' untranslated region of the Rabphilin-3A-Like gene in colorectal adenocarcinoma. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 1050.	3.0	8
78	Indoleamine 2, 3-Dioxygenase Promotes Aryl Hydrocarbon Receptor-Dependent Differentiation Of Regulatory B Cells in Lung Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 747780.	4.8	8
79	Adenoassociated Virus Vectors for Genetic Immunization. <i>Immunologic Research</i> , 2002, 26, 247-254.	2.9	7
80	Computational Simulation of Exosome Transport in Tumor Microenvironment. <i>Frontiers in Medicine</i> , 2021, 8, 643793.	2.6	7
81	Adeno-Associated Virus D-Sequence-Mediated Suppression of Expression of a Human Major Histocompatibility Class II Gene: Implications in the Development of Adeno-Associated Virus Vectors for Modulating Humoral Immune Response. <i>Human Gene Therapy</i> , 2020, 31, 565-574.	2.7	5
82	The dual targeting of immunosuppressive cells and oxidants promotes effector and memory T-cell functions against lung cancer. <i>Oncolimmunology</i> , 2014, 3, e27401.	4.6	4
83	Detection of Merkel cell polyomavirus in formalin-fixed, paraffin-embedded tissue of Merkel cell carcinoma and correlation with prognosis. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 1057-62.	0.8	4
84	RANKL-Targeted Combination Therapy with Osteoprotegerin Variant Devoid of TRAIL Binding Exerts Biphasic Effects on Skeletal Remodeling and Antitumor Immunity. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 2585-2597.	4.1	3
85	Gene Therapy for Osteoinduction. <i>Current Gene Therapy</i> , 2004, 4, 287-296.	2.0	3
86	Pathology, Chemoprevention, and Preclinical Models for Target Validation in Barrett Esophagus. <i>Cancer Research</i> , 2018, 78, 3747-3754.	0.9	2
87	Conjugate-Based Targeting of Adeno-Associated Virus Vectors. , 2003, , 201-219.		0
88	A conserved aromatic moiety in the ectodomain is a key determinant for structural integrity and protein trafficking of TNFR superfamily. <i>FASEB Journal</i> , 2020, 34, 15687-15700.	0.5	0
89	Modulation of indoleamine 2,3-dioxygenase pathway by a combination therapy strategy targeting myeloid derived suppressor cell function in lung cancer. <i>FASEB Journal</i> , 2013, 27, 1105.25.	0.5	0