

Avnesh Sinh Thakor

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,615
citations

304368

22
h-index

197535

49
g-index

71
all docs

71
docs citations

71
times ranked

4424
citing authors

#	ARTICLE	IF	CITATIONS
1	Adipose stem cell homing and routes of delivery. , 2022, , 109-120.		0
2	Diabetes complications and extracellular vesicle therapy. Reviews in Endocrine and Metabolic Disorders, 2022, 23, 357-385.	2.6	8
3	Human placental mesenchymal stromal cellâ€derived exosomeâ€enriched extracellular vesicles for chronic cutaneous graftâ€versusâ€host disease: A case report. Journal of Cellular and Molecular Medicine, 2022, 26, 588-592.	1.6	12
4	Human placenta-derived mesenchymal stromal cells transfusion in a critically ill infant diagnosed with Coronavirus Disease 2019 (COVID-19): A case report. Transfusion and Apheresis Science, 2022, 61, 103454.	0.5	3
5	Silicone-based bioscaffolds for cellular therapies. Materials Science and Engineering C, 2021, 119, 111615.	3.8	23
6	Artificial intelligence enables whole-body positron emission tomography scans with minimal radiation exposure. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2771-2781.	3.3	45
7	Enhancing islet transplantation using a biocompatible collagen-PDMS bioscaffold enriched with dexamethasone-microplates. Biofabrication, 2021, 13, 035011.	3.7	17
8	Blood Oxygen Level-Dependent (BOLD) MRI in Glomerular Disease. Transplantology, 2021, 2, 109-117.	0.3	0
9	Human adipose tissue-derived mesenchymal stem cells and their extracellular vesicles modulate lipopolysaccharide activated human microglia. Cell Death Discovery, 2021, 7, 98.	2.0	18
10	Imaging cancer cells with nanostructures: Prospects of nanotechnology driven non-invasive cancer diagnosis. Advances in Colloid and Interface Science, 2021, 294, 102457.	7.0	26
11	Endogenous NO-releasing Carbon Nanodots for Tumor-specific Gas Therapy. Acta Biomaterialia, 2021, 136, 485-494.	4.1	18
12	Localized drug delivery graphene bioscaffolds for cotransplantation of islets and mesenchymal stem cells. Science Advances, 2021, 7, eabf9221.	4.7	10
13	Insulin Granule-Loaded MicroPlates for Modulating Blood Glucose Levels in Type-1 Diabetes. ACS Applied Materials & Interfaces, 2021, 13, 53618-53629.	4.0	5
14	Autologous conditioned serum for degenerative diseases and prospects. Growth Factors, 2021, , 1-12.	0.5	2
15	Ferumoxylol Does Not Impact Standardized Uptake Values on PET/MR Scans. Molecular Imaging and Biology, 2020, 22, 722-729.	1.3	8
16	Emerging role of stem cell-derived extracellular microRNAs in age-associated human diseases and in different therapies of longevity. Ageing Research Reviews, 2020, 57, 100979.	5.0	41
17	Effect of Pulsed Focused Ultrasound on the Native Pancreas. Ultrasound in Medicine and Biology, 2020, 46, 630-638.	0.7	12
18	Cellular uptake and retention of nanoparticles: Insights on particle properties and interaction with cellular components. Materials Today Communications, 2020, 25, 101692.	0.9	131

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19	The Paracrine Function of Mesenchymal Stem Cells in Response to Pulsed Focused Ultrasound. <i>Cell Transplantation</i> , 2020, 29, 096368972096547.	1.2	5
20	Reversing Acute Kidney Injury Using Pulsed Focused Ultrasound and MSC Therapy: A Role for HSP-Mediated PI3K/AKT Signaling. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 683-694.	1.8	20
21	Hybrid Polydimethylsiloxane Bioscaffold-Intravascular Catheter for Cellular Therapies. <i>ACS Applied Bio Materials</i> , 2020, 3, 6626-6632.	2.3	4
22	Loop-Mediated Isothermal Amplification (LAMP): A Rapid, Sensitive, Specific, and Cost-Effective Point-of-Care Test for Coronaviruses in the Context of COVID-19 Pandemic. <i>Biology</i> , 2020, 9, 182.	1.3	168
23	Dynamic Hydrodissection for Skin Protection during Cryoablation of Superficial Lesions. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1942-1945.	0.2	1
24	Rapid Antibody-Based COVID-19 Mass Surveillance: Relevance, Challenges, and Prospects in a Pandemic and Post-Pandemic World. <i>Journal of Clinical Medicine</i> , 2020, 9, 3372.	1.0	54
25	Pulsed focused ultrasound enhances the therapeutic effect of mesenchymal stromal cell-derived extracellular vesicles in acute kidney injury. <i>Stem Cell Research and Therapy</i> , 2020, 11, 398.	2.4	12
26	Facilitating islet transplantation using a three-step approach with mesenchymal stem cells, encapsulation, and pulsed focused ultrasound. <i>Stem Cell Research and Therapy</i> , 2020, 11, 405.	2.4	13
27	Controlled Nutrient Delivery to Pancreatic Islets Using Polydopamine-Coated Mesoporous Silica Nanoparticles. <i>Nano Letters</i> , 2020, 20, 7220-7229.	4.5	16
28	HSP70-Mediated NLRP3 Inflammasome Suppression Underlies Reversal of Acute Kidney Injury Following Extracellular Vesicle and Focused Ultrasound Combination Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4085.	1.8	24
29	Liposomal nanotheranostics for multimode targeted in vivo bioimaging and near-infrared light mediated cancer therapy. <i>Communications Biology</i> , 2020, 3, 284.	2.0	46
30	Locoregional delivery of stem cell-based therapies. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	14
31	Reversal of Hyperglycemia and Suppression of Type 1 Diabetes in the NOD Mouse with Apoptotic DNA Immunotherapy, ϕ (ADI ϕ), ADI-100. <i>Biomedicines</i> , 2020, 8, 53.	1.4	5
32	The role of ultrasound in enhancing mesenchymal stromal cell-based therapies. <i>Stem Cells Translational Medicine</i> , 2020, 9, 850-866.	1.6	45
33	A Collagen Based Cryogel Bioscaffold that Generates Oxygen for Islet Transplantation. <i>Advanced Functional Materials</i> , 2020, 30, 1902463.	7.8	40
34	A Novel Approach to Deliver Therapeutic Extracellular Vesicles Directly into the Mouse Kidney via Its Arterial Blood Supply. <i>Cells</i> , 2020, 9, 937.	1.8	18
35	Emerging Nano- and Micro-Technologies Used in the Treatment of Type-1 Diabetes. <i>Nanomaterials</i> , 2020, 10, 789.	1.9	33
36	Islet Transplantation: A Collagen Based Cryogel Bioscaffold that Generates Oxygen for Islet Transplantation (<i>Adv. Funct. Mater.</i> 15/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070099.	7.8	1

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37	Three-dimensional cryogels for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2736-2755.	2.1	79
38	Advances in Precision Health and Emerging Diagnostics for Women. <i>Journal of Clinical Medicine</i> , 2019, 8, 1525.	1.0	6
39	Improving the Function and Engraftment of Transplanted Pancreatic Islets Using Pulsed Focused Ultrasound Therapy. <i>Scientific Reports</i> , 2019, 9, 13416.	1.6	12
40	Adipose tissue-derived mesenchymal stem cells rescue the function of islets transplanted in sub-therapeutic numbers via their angiogenic properties. <i>Cell and Tissue Research</i> , 2019, 376, 353-364.	1.5	22
41	Mesenchymal Stromal Cell Homing: Mechanisms and Strategies for Improvement. <i>iScience</i> , 2019, 15, 421-438.	1.9	299
42	A Study Comparing the Effects of Targeted Intra-Arterial and Systemic Chemotherapy in an Orthotopic Mouse Model of Pancreatic Cancer. <i>Scientific Reports</i> , 2019, 9, 15929.	1.6	4
43	Stem cell-derived extracellular vesicles: role in oncogenic processes, bioengineering potential, and technical challenges. <i>Stem Cell Research and Therapy</i> , 2019, 10, 347.	2.4	32
44	Mesenchymal stem cells confer chemoresistance in breast cancer via a CD9 dependent mechanism. <i>Oncotarget</i> , 2019, 10, 3435-3450.	0.8	44
45	An emerging role of CD9 in stemness and chemoresistance. <i>Oncotarget</i> , 2019, 10, 4000-4001.	0.8	20
46	A collagen based cryogel bioscaffold coated with nanostructured polydopamine as a platform for mesenchymal stem cell therapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2213-2228.	2.1	23
47	Role of interventional radiology in managing pediatric liver tumors. <i>Pediatric Radiology</i> , 2018, 48, 565-580.	1.1	28
48	Role of interventional radiology in managing pediatric liver tumors. <i>Pediatric Radiology</i> , 2018, 48, 555-564.	1.1	24
49	An oxygen plasma treated poly(dimethylsiloxane) bioscaffold coated with polydopamine for stem cell therapy. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 54.	1.7	19
50	Adult and Pediatric Antibiotic Prophylaxis during Vascular and IR Procedures: A Society of Interventional Radiology Practice Parameter Update Endorsed by the Cardiovascular and Interventional Radiological Society of Europe and the Canadian Association for Interventional Radiology. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 1483-1501.e2.	0.2	105
51	A Novel Approach for Therapeutic Delivery to the Rodent Pancreas Via Its Arterial Blood Supply. <i>Pancreas</i> , 2018, 47, 910-915.	0.5	5
52	Orthotopic Liver Transplantation After Stereotactic Body Radiotherapy for Pediatric Hepatocellular Carcinoma with Central Biliary Obstruction and Nodal Involvement. <i>Cureus</i> , 2018, 10, e3499.	0.2	1
53	Transradial Access for Interventional Radiology: Single-Centre Procedural and Clinical Outcome Analysis. <i>Canadian Association of Radiologists Journal</i> , 2017, 68, 318-327.	1.1	33
54	Use of blood pool agents with steady-state MRI to assess the vascular system. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1559-1572.	1.9	10

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55	Stereotactic body radiotherapy for pediatric hepatocellular carcinoma with central biliary obstruction. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26330.	0.8	6
56	Variables decreasing tip movement of peripherally inserted central catheters in pediatric patients. <i>Pediatric Radiology</i> , 2016, 46, 1532-1538.	1.1	16
57	Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1833-1837.	2.8	181
58	Successful Image-Guided Retrieval of an Embolized Fragment of a Fractured Haemodialysis Catheter Tip from the Pulmonary Artery. <i>Case Reports in Nephrology and Dialysis</i> , 2016, 6, 21-25.	0.3	2
59	MR cone-beam CT fusion image overlay for fluoroscopically guided percutaneous biopsies in pediatric patients. <i>Pediatric Radiology</i> , 2016, 46, 407-412.	1.1	9
60	Novel use of the Surefire antireflux device in subtotal splenic embolization. <i>Journal of Vascular Surgery Cases</i> , 2015, 1, 242-245.	0.2	1
61	The Other Pathâ€”Think Radial. <i>Canadian Association of Radiologists Journal</i> , 2015, 66, 191-191.	1.1	0
62	Radiological Evaluation of Abdominal Endovascular Aortic Aneurysm Repair. <i>Canadian Association of Radiologists Journal</i> , 2015, 66, 277-290.	1.1	3
63	Percutaneous Autologous Pancreatic Islet Cell Transplantation for Traumatic Pancreatic Injury. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1230-1233.	1.8	13
64	Y90 Selective Internal Radiation Therapy. <i>Surgical Oncology Clinics of North America</i> , 2015, 24, 167-185.	0.6	14
65	Nanooncology: The future of cancer diagnosis and therapy. <i>Ca-A Cancer Journal for Clinicians</i> , 2013, 63, 395-418.	157.7	481
66	Oxidative Stress Mediates the Effects of Ramanâ€”Active Gold Nanoparticles in Human Cells. <i>Small</i> , 2011, 7, 126-136.	5.2	79
67	The Fate and Toxicity of Raman-Active Silica-Gold Nanoparticles in Mice. <i>Science Translational Medicine</i> , 2011, 3, 79ra33.	5.8	139
68	Infective endocarditis from injecting heroin into a leg ulcer. <i>BMJ Case Reports</i> , 2009, 2009, bcr0720080493-bcr0720080493.	0.2	1
69	Double superior vena cavae. <i>BMJ Case Reports</i> , 2009, 2009, bcr1020081098-bcr1020081098.	0.2	1
70	Anaemia, weight loss, and round shadows in the lungs. <i>Lancet, The</i> , 2008, 371, 88.	6.3	3