

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	Nanooncology: The future of cancer diagnosis and therapy. <i>Ca-A Cancer Journal for Clinicians</i> , 2013, 63, 395-418.	157.7	481
2	Mesenchymal Stromal Cell Homing: Mechanisms and Strategies for Improvement. <i>IScience</i> , 2019, 15, 421-438.	1.9	299
3	Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1833-1837.	2.8	181
4	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
5	The Fate and Toxicity of Raman-Active Silica-Gold Nanoparticles in Mice. <i>Science Translational Medicine</i> , 2011, 3, 79ra33.	5.8	139
6	Cellular uptake and retention of nanoparticles: Insights on particle properties and interaction with cellular components. <i>Materials Today Communications</i> , 2020, 25, 101692.	0.9	131
7	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
8	Oxidative Stress Mediates the Effects of Raman-Active Gold Nanoparticles in Human Cells. <i>Small</i> , 2011, 7, 126-136.	5.2	79
9	Three-dimensional cryogels for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2736-2755.	2.1	79
10	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
11	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
12	The role of ultrasound in enhancing mesenchymal stromal cell-based therapies. <i>Stem Cells Translational Medicine</i> , 2020, 9, 850-866.	1.6	45
13	Artificial intelligence enables whole-body positron emission tomography scans with minimal radiation exposure. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2771-2781.	3.3	45
14	Mesenchymal stem cells confer chemoresistance in breast cancer via a CD9 dependent mechanism. <i>Oncotarget</i> , 2019, 10, 3435-3450.	0.8	44
15	Emerging role of stem cell-derived extracellular microRNAs in age-associated human diseases and in different therapies of longevity. <i>Ageing Research Reviews</i> , 2020, 57, 100979.	5.0	41
16	A Collagen Based Cryogel Bioscaffold that Generates Oxygen for Islet Transplantation. <i>Advanced Functional Materials</i> , 2020, 30, 1902463.	7.8	40
17	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
18	Emerging Nano- and Micro-Technologies Used in the Treatment of Type-1 Diabetes. <i>Nanomaterials</i> , 2020, 10, 789.	1.9	33

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19	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
20	Role of interventional radiology in managing pediatric liver tumors. <i>Pediatric Radiology</i> , 2018, 48, 565-580.	1.1	28
21	Imaging cancer cells with nanostructures: Prospects of nanotechnology driven non-invasive cancer diagnosis. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102457.	7.0	26
22	Role of interventional radiology in managing pediatric liver tumors. <i>Pediatric Radiology</i> , 2018, 48, 555-564.	1.1	24
23	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
24	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
25	Silicone-based bioscaffolds for cellular therapies. <i>Materials Science and Engineering C</i> , 2021, 119, 111615.	3.8	23
26	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
27	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
28	An emerging role of CD9 in stemness and chemoresistance. <i>Oncotarget</i> , 2019, 10, 4000-4001.	0.8	20
29	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
30	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
31	Human adipose tissue-derived mesenchymal stem cells and their extracellular vesicles modulate lipopolysaccharide activated human microglia. <i>Cell Death Discovery</i> , 2021, 7, 98.	2.0	18
32	Endogenous NO-releasing Carbon Nanodots for Tumor-specific Gas Therapy. <i>Acta Biomaterialia</i> , 2021, 136, 485-494.	4.1	18
33	Enhancing islet transplantation using a biocompatible collagen-PDMS bioscaffold enriched with dexamethasone-microplates. <i>Biofabrication</i> , 2021, 13, 035011.	3.7	17
34	Variables decreasing tip movement of peripherally inserted central catheters in pediatric patients. <i>Pediatric Radiology</i> , 2016, 46, 1532-1538.	1.1	16
35	Controlled Nutrient Delivery to Pancreatic Islets Using Polydopamine-Coated Mesoporous Silica Nanoparticles. <i>Nano Letters</i> , 2020, 20, 7220-7229.	4.5	16
36	Y90 Selective Internal Radiation Therapy. <i>Surgical Oncology Clinics of North America</i> , 2015, 24, 167-185.	0.6	14

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37	Locoregional delivery of stem cell-based therapies. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	14
38	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
39	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
40	Improving the Function and Engraftment of Transplanted Pancreatic Islets Using Pulsed Focused Ultrasound Therapy. <i>Scientific Reports</i> , 2019, 9, 13416.	1.6	12
41	Effect of Pulsed Focused Ultrasound on the Native Pancreas. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 630-638.	0.7	12
42	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
43	Human placental mesenchymal stromal cell-derived exosome-enriched extracellular vesicles for chronic cutaneous graft-versus-host disease: A case report. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 588-592.	1.6	12
44	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
45	Localized drug delivery graphene bioscaffolds for cotransplantation of islets and mesenchymal stem cells. <i>Science Advances</i> , 2021, 7, eabf9221.	4.7	10
46	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
47	Ferumoxitol Does Not Impact Standardized Uptake Values on PET/MR Scans. <i>Molecular Imaging and Biology</i> , 2020, 22, 722-729.	1.3	8
48	Diabetes complications and extracellular vesicle therapy. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 357-385.	2.6	8
49	Stereotactic body radiotherapy for pediatric hepatocellular carcinoma with central biliary obstruction. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26330.	0.8	6
50	Advances in Precision Health and Emerging Diagnostics for Women. <i>Journal of Clinical Medicine</i> , 2019, 8, 1525.	1.0	6
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	The Paracrine Function of Mesenchymal Stem Cells in Response to Pulsed Focused Ultrasound. <i>Cell Transplantation</i> , 2020, 29, 096368972096547.	1.2	5
53	Reversal of Hyperglycemia and Suppression of Type 1 Diabetes in the NOD Mouse with Apoptotic DNA Immunotherapy, (ADi), ADi-100. <i>Biomedicines</i> , 2020, 8, 53.	1.4	5
54	Insulin Granule-Loaded MicroPlates for Modulating Blood Glucose Levels in Type-1 Diabetes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53618-53629.	4.0	5

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55	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
56	Hybrid Polydimethylsiloxane Bioscaffold-Intravascular Catheter for Cellular Therapies. <i>ACS Applied Bio Materials</i> , 2020, 3, 6626-6632.	2.3	4
57	Anaemia, weight loss, and round shadows in the lungs. <i>Lancet, The</i> , 2008, 371, 88.	6.3	3
58	Radiological Evaluation of Abdominal Endovascular Aortic Aneurysm Repair. <i>Canadian Association of Radiologists Journal</i> , 2015, 66, 277-290.	1.1	3
59	Human placenta-derived mesenchymal stromal cells transfusion in a critically ill infant diagnosed with Coronavirus Disease 2019 (COVID-19): A case report. <i>Transfusion and Apheresis Science</i> , 2022, 61, 103454.	0.5	3
60	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
61	Autologous conditioned serum for degenerative diseases and prospects. <i>Growth Factors</i> , 2021, , 1-12.	0.5	2
62	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
63	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
64	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
65	Infective endocarditis from injecting heroin into a leg ulcer. <i>BMJ Case Reports</i> , 2009, 2009, bcr0720080493-bcr0720080493.	0.2	1
66	Double superior vena cavae. <i>BMJ Case Reports</i> , 2009, 2009, bcr1020081098-bcr1020081098.	0.2	1
67	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
68	The Other Pathâ€”Think Radial. <i>Canadian Association of Radiologists Journal</i> , 2015, 66, 191-191.	1.1	0
69	Blood Oxygen Level-Dependent (BOLD) MRI in Glomerular Disease. <i>Transplantology</i> , 2021, 2, 109-117.	0.3	0
70	Adipose stem cell homing and routes of delivery. , 2022, , 109-120.		0