

Ambika G Bajpayee

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,073
citations

567144

15
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

907
citing authors

#	ARTICLE	IF	CITATIONS
1	Cartilage-targeting drug delivery: can electrostatic interactions help?. <i>Nature Reviews Rheumatology</i> , 2017, 13, 183-193.	3.5	180
2	Avidin as a model for charge driven transport into cartilage and drug delivery for treating early stage post-traumatic osteoarthritis. <i>Biomaterials</i> , 2014, 35, 538-549.	5.7	160
3	Overcoming negatively charged tissue barriers: Drug delivery using cationic peptides and proteins. <i>Nano Today</i> , 2020, 34, 100898.	6.2	99
4	Electrostatic interactions enable rapid penetration, enhanced uptake and retention of intra-articular injected avidin in rat knee joints. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1044-1051.	1.2	98
5	Cartilage penetrating cationic peptide carriers for applications in drug delivery to avascular negatively charged tissues. <i>Acta Biomaterialia</i> , 2019, 93, 258-269.	4.1	70
6	Milk exosomes with enhanced mucus penetrability for oral delivery of siRNA. <i>Biomaterials Science</i> , 2021, 9, 4260-4277.	2.6	68
7	A rabbit model demonstrates the influence of cartilage thickness on intra-articular drug delivery and retention within cartilage. <i>Journal of Orthopaedic Research</i> , 2015, 33, 660-667.	1.2	63
8	Multi-arm Avidin nano-construct for intra-cartilage delivery of small molecule drugs. <i>Journal of Controlled Release</i> , 2020, 318, 109-123.	4.8	52
9	Interleukin-1 receptor antagonist (IL-1Ra) is more effective in suppressing cytokine-induced catabolism in cartilage-synovium co-culture than in cartilage monoculture. <i>Arthritis Research and Therapy</i> , 2019, 21, 238.	1.6	50
10	Recent advances in targeted drug delivery for treatment of osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2021, 33, 94-109.	2.0	46
11	Hyaluronic Acid-Based Shape-Memory Cryogel Scaffolds for Focal Cartilage Defect Repair. <i>Tissue Engineering - Part A</i> , 2021, 27, 748-760.	1.6	39
12	Bioelectricity for Drug Delivery: The Promise of Cationic Therapeutics. <i>Bioelectricity</i> , 2020, 2, 68-81.	0.6	35
13	Multi-scale imaging techniques to investigate solute transport across articular cartilage. <i>Journal of Biomechanics</i> , 2018, 78, 10-20.	0.9	23
14	Resveratrol and Curcumin Attenuate <i>Ex Vivo</i> Sugar-Induced Cartilage Glycation, Stiffening, Senescence, and Degeneration. <i>Cartilage</i> , 2021, 13, 1214S-1228S.	1.4	18
15	Avidin-biotin technology to synthesize multi-arm nano-construct for drug delivery. <i>MethodsX</i> , 2020, 7, 100882.	0.7	17
16	Avidin grafted dextran nanostructure enables a month-long intra-discal retention. <i>Scientific Reports</i> , 2020, 10, 12017.	1.6	14
17	Single-Dose Intra-Cartilage Delivery of Kartogenin Using a Cationic Multi-Arm Avidin Nanocarrier Suppresses Cytokine-Induced Osteoarthritis-Related Catabolism. <i>Cartilage</i> , 2022, 13, 194760352210930.	1.4	13
18	Characterization of Intra-Cartilage Transport Properties of Cationic Peptide Carriers. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	9

#	ARTICLE	IF	CITATIONS
19	Effects of polycationic drug carriers on the electromechanical and swelling properties of cartilage. <i>Biophysical Journal</i> , 2022, 121, 3542-3561.	0.2	9
20	Modeling Electrostatic Charge Shielding Induced by Cationic Drug Carriers in Articular Cartilage Using Donnan Osmotic Theory. <i>Bioelectricity</i> , 2022, 4, 248-258.	0.6	8
21	Cationic Contrast Agents for Computed Tomography of Cartilage for Early Diagnosis of Osteoarthritis. <i>Methods in Molecular Biology</i> , 2022, 2393, 797-812.	0.4	1
22	Charge-Based Multiarm Avidin Nanoconstruct as a Platform Technology for Applications in Drug Delivery. <i>Methods in Molecular Biology</i> , 2022, 2394, 537-553.	0.4	1
23	Electrically Charged Biomaterials for Drug Delivery and Tissue Repair. <i>Bioelectricity</i> , 2020, 2, 67-67.	0.6	0