

# Sagar S Deshpande

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

786  
citations

17  
h-index

25  
g-index

68  
ext. papers

845  
ext. citations

2.9  
avg, IF

3.55  
L-index

#	Paper	IF	Citations
56	Implantable hyaluronic acid-deferoxamine conjugate prevents nonunions through stimulation of neovascularization. <i>Npj Regenerative Medicine</i> , <b>2019</b> , 4, 11	15.8	13
55	Radioprotection With Amifostine Enhances Bone Strength and Regeneration and Bony Union in a Rat Model of Mandibular Distraction Osteogenesis. <i>Annals of Plastic Surgery</i> , <b>2018</b> , 80, 176-180	1.7	6
54	Significant Differences in the Bone of an Isogenic Inbred Versus Nonisogenic Outbred Murine Mandible: A Study in Rigor and Reproducibility. <i>Journal of Craniofacial Surgery</i> , <b>2017</b> , 28, 915-919	1.2	
53	Role of parathyroid hormone in regeneration of irradiated bone in a murine model of mandibular distraction osteogenesis. <i>Head and Neck</i> , <b>2017</b> , 39, 464-470	4.2	9
52	Prevention of radiation-induced bone pathology through combined pharmacologic cytoprotection and angiogenic stimulation. <i>Bone</i> , <b>2016</b> , 84, 245-252	4.7	14
51	Amifostine Treatment Mitigates the Damaging Effects of Radiation on Distraction Osteogenesis in the Murine Mandible. <i>Annals of Plastic Surgery</i> , <b>2016</b> , 77, 164-8	1.7	4
50	Changes in Skin Vascularity in a Murine Model for Postmastectomy Radiation. <i>Annals of Plastic Surgery</i> , <b>2016</b> , 76, 494-8	1.7	9
49	Translational treatment paradigm for managing non-unions secondary to radiation injury utilizing adipose derived stem cells and angiogenic therapy. <i>Head and Neck</i> , <b>2016</b> , 38 Suppl 1, E837-43	4.2	6
48	A Comparison of Vascularity, Bone Mineral Density Distribution, and Histomorphometrics in an Isogenic Versus an Outbred Murine Model of Mandibular Distraction Osteogenesis. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2016</b> , 74, 2055-65	1.8	3
47	Bone marrow stem cells assuage radiation-induced damage in a murine model of distraction osteogenesis: A histomorphometric evaluation. <i>Cytotherapy</i> , <b>2016</b> , 18, 664-72	4.8	6
46	Raman spectroscopy delineates radiation-induced injury and partial rescue by amifostine in bone: a murine mandibular model. <i>Journal of Bone and Mineral Metabolism</i> , <b>2015</b> , 33, 279-84	2.9	13
45	Prophylactic administration of Amifostine protects vessel thickness in the setting of irradiated bone. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2015</b> , 68, 98-103	1.7	8
44	Targeting angiogenesis as a therapeutic means to reinforce osteocyte survival and prevent nonunions in the aftermath of radiotherapy. <i>Head and Neck</i> , <b>2015</b> , 37, 1261-7	4.2	12
43	Stem cells rejuvenate radiation-impaired vasculogenesis in murine distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2015</b> , 135, 799-806	2.7	25
42	A Histomorphometric Analysis of Radiation Damage in an Isogenic Murine Model of Distraction Osteogenesis. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2015</b> , 73, 2419-28	1.8	7
41	Deferoxamine enhances bone regeneration in mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 666-671	2.7	26
40	Abstract 53: prophylactic amifostine preserves the biomechanical properties of irradiated bone in the murine mandible. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 64-65	2.7	

39	Abstract 79: deferoxamine in combination with adipose-derived stromal cells rescues mineralization and improves union rate in the treatment of established radiotherapy induced non-unions. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 91	2.7	
38	Abstract 80: Parathyroid Hormone Remediate Radiation Damage in a Murine Model of Distraction Osteogenesis via Histological Evaluation. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 92	2.7	
37	Abstract 83: improved biomechanical metrics in the treatment of radiotherapy-induced non-unions with a novel combination therapy. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 95	2.7	
36	Prophylactic amifostine preserves the biomechanical properties of irradiated bone in the murine mandible. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 314e-321e	2.7	8
35	Abstract 32: amifostine reduces radiation-induced complications in a murine model of expander-based breast reconstruction. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 133, 43	2.7	
34	Vascular analysis as a proxy for mechanotransduction response in an isogenic, irradiated murine model of mandibular distraction osteogenesis. <i>Microvascular Research</i> , <b>2014</b> , 95, 143-8	3.7	7
33	Amifostine reduces radiation-induced complications in a murine model of expander-based breast reconstruction. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 134, 551e-560e	2.7	12
32	Prophylactic Administration of Amifostine Protects Vessel Thickness and Luminal Diameter in the Setting of Irradiation. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 134, 1	2.7	3
31	Amifostine preserves osteocyte number and osteoid formation in fracture healing following radiotherapy. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2014</b> , 72, 559-66	1.8	19
30	Distraction osteogenesis following low-dose hyperfractionated irradiation in the rat mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2013</b> , 71, 1465-70	1.8	3
29	Stem cell therapy remediates reconstruction of the craniofacial skeleton after radiation therapy. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 1625-32	4.4	20
28	The effect of Amifostine prophylaxis on bone densitometry, biomechanical strength and union in mandibular pathologic fracture repair. <i>Bone</i> , <b>2013</b> , 57, 56-61	4.7	13
27	Reconciling the effects of inflammatory cytokines on mesenchymal cell osteogenic differentiation. <i>Journal of Surgical Research</i> , <b>2013</b> , 185, 278-85	2.5	32
26	Deferoxamine expedites consolidation during mandibular distraction osteogenesis. <i>Bone</i> , <b>2013</b> , 55, 384-90	4.7	42
25	Parathyroid hormone reverses radiation induced hypovascularity in a murine model of distraction osteogenesis. <i>Bone</i> , <b>2013</b> , 56, 9-15	4.7	26
24	Raman spectroscopy demonstrates Amifostine induced preservation of bone mineralization patterns in the irradiated murine mandible. <i>Bone</i> , <b>2013</b> , 52, 712-717	4.7	27
23	Localized deferoxamine injection augments vascularity and improves bony union in pathologic fracture healing after radiotherapy. <i>Bone</i> , <b>2013</b> , 52, 318-25	4.7	60
22	Role of parathyroid hormone therapy in reversing radiation-induced nonunion and normalization of radiomorphometrics in a murine mandibular model of distraction osteogenesis. <i>Head and Neck</i> , <b>2013</b> , 35, 1732-7	4.2	13

21	Amifostine protects vascularity and improves union in a model of irradiated mandibular fracture healing. <i>Plastic and Reconstructive Surgery</i> , <b>2013</b> , 132, 1542-1549	2.7	8
20	Parathyroid hormone therapy mollifies radiation-induced biomechanical degradation in murine distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2013</b> , 132, 91e-100e	2.7	8
19	An isogenic model of murine mandibular distraction osteogenesis. <i>Journal of Craniofacial Surgery</i> , <b>2013</b> , 24, 540-4	1.2	6
18	Deferoxamine restores callus size, mineralization, and mechanical strength in fracture healing after radiotherapy. <i>Plastic and Reconstructive Surgery</i> , <b>2013</b> , 131, 711e-719e	2.7	34
17	Deferoxamine administration delivers translational optimization of distraction osteogenesis in the irradiated mandible. <i>Plastic and Reconstructive Surgery</i> , <b>2013</b> , 132, 542e-548e	2.7	21
16	Deferoxamine reverses radiation induced hypovascularity during bone regeneration and repair in the murine mandible. <i>Bone</i> , <b>2012</b> , 50, 1184-7	4.7	49
15	The effects of high dose and highly fractionated radiation on distraction osteogenesis in the murine mandible. <i>Radiation Oncology</i> , <b>2012</b> , 7, 151	4.2	7
14	Factors impacting career satisfaction of hospitalists. <i>Health Care Manager</i> , <b>2012</b> , 31, 351-6	1.4	5
13	Deferoxamine Augments Vascularity and Prevents Osteocyte Depletion Following Radiotherapy in a Mandibular Pathologic Fracture Model. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 130, 15-16	2.7	3
12	Discussion: Local hemodynamic effects of radiation on the rabbit orbitozygomatic complex with and without cytoprotection. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 609-610	2.7	
11	Deferoxamine enhances the vascular response of bone regeneration in mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 850-856	2.7	37
10	Quantitative histologic evidence of amifostine-induced cytoprotection in an irradiated murine model of mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 130, 1199-1207	2.7	17
9	Amifostine remediates the degenerative effects of radiation on the mineralization capacity of the murine mandible. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 646e-655e	2.7	22
8	Bone regeneration in distraction osteogenesis demonstrates significantly increased vascularity in comparison to fracture repair in the mandible. <i>Journal of Craniofacial Surgery</i> , <b>2012</b> , 23, 328-32	1.2	22
7	Quantifying mineralization using bone mineral density distribution in the mandible. <i>Journal of Craniofacial Surgery</i> , <b>2012</b> , 23, 1502-6	1.2	8
6	Quantitative analysis of vascular response after mandibular fracture repair using microcomputed tomography with vessel perfusion. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 127, 1487-1493	2.7	13
5	Amifostine Demonstrates Significant Cytoprotection in an Irradiated Murine Model of Mandibular Distraction Osteogenesis. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 128, 18	2.7	4
4	Career satisfaction of surgical specialties. <i>Annals of Surgery</i> , <b>2011</b> , 253, 1011-6	7.8	12

3	Dose-response effect of human equivalent radiation in the murine mandible: Part II. A biomechanical assessment. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 128, 480e-487e	2.7	28
2	An empirical investigation of the differences between male and female medical school physicians. <i>Health Care Manager</i> , <b>2011</b> , 30, 334-41	1.4	4
1	Factors impacting perceived threat of malpractice lawsuits by various medical specialists. <i>Health Care Manager</i> , <b>2011</b> , 30, 55-65	1.4	11