

Sagar S Deshpande

List of Publications by Citations

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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	Localized deferoxamine injection augments vascularity and improves bony union in pathologic fracture healing after radiotherapy. <i>Bone</i> , 2013 , 52, 318-25	4.7	60
55	Deferoxamine reverses radiation induced hypovascularity during bone regeneration and repair in the murine mandible. <i>Bone</i> , 2012 , 50, 1184-7	4.7	49
54	Deferoxamine expedites consolidation during mandibular distraction osteogenesis. <i>Bone</i> , 2013 , 55, 384-207	4.7	42
53	Deferoxamine enhances the vascular response of bone regeneration in mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2012 , 129, 850-856	2.7	37
52	Deferoxamine restores callus size, mineralization, and mechanical strength in fracture healing after radiotherapy. <i>Plastic and Reconstructive Surgery</i> , 2013 , 131, 711e-719e	2.7	34
51	Reconciling the effects of inflammatory cytokines on mesenchymal cell osteogenic differentiation. <i>Journal of Surgical Research</i> , 2013 , 185, 278-85	2.5	32
50	Dose-response effect of human equivalent radiation in the murine mandible: Part II. A biomechanical assessment. <i>Plastic and Reconstructive Surgery</i> , 2011 , 128, 480e-487e	2.7	28
49	Raman spectroscopy demonstrates Amifostine induced preservation of bone mineralization patterns in the irradiated murine mandible. <i>Bone</i> , 2013 , 52, 712-717	4.7	27
48	Deferoxamine enhances bone regeneration in mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 666-671	2.7	26
47	Parathyroid hormone reverses radiation induced hypovascularity in a murine model of distraction osteogenesis. <i>Bone</i> , 2013 , 56, 9-15	4.7	26
46	Stem cells rejuvenate radiation-impaired vasculogenesis in murine distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2015 , 135, 799-806	2.7	25
45	Amifostine remediates the degenerative effects of radiation on the mineralization capacity of the murine mandible. <i>Plastic and Reconstructive Surgery</i> , 2012 , 129, 646e-655e	2.7	22
44	Bone regeneration in distraction osteogenesis demonstrates significantly increased vascularity in comparison to fracture repair in the mandible. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, 328-32	1.2	22
43	Deferoxamine administration delivers translational optimization of distraction osteogenesis in the irradiated mandible. <i>Plastic and Reconstructive Surgery</i> , 2013 , 132, 542e-548e	2.7	21
42	Stem cell therapy remediates reconstruction of the craniofacial skeleton after radiation therapy. <i>Stem Cells and Development</i> , 2013 , 22, 1625-32	4.4	20
41	Amifostine preserves osteocyte number and osteoid formation in fracture healing following radiotherapy. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014 , 72, 559-66	1.8	19
40	Quantitative histologic evidence of amifostine-induced cytoprotection in an irradiated murine model of mandibular distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2012 , 130, 1199-1207	2.7	17

39	Prevention of radiation-induced bone pathology through combined pharmacologic cytoprotection and angiogenic stimulation. <i>Bone</i> , 2016 , 84, 245-252	4.7	14
38	Implantable hyaluronic acid-deferoxamine conjugate prevents nonunions through stimulation of neovascularization. <i>Npj Regenerative Medicine</i> , 2019 , 4, 11	15.8	13
37	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> , 2015 , 33, 279-84	2.9	13
36	The effect of Amifostine prophylaxis on bone densitometry, biomechanical strength and union in mandibular pathologic fracture repair. <i>Bone</i> , 2013 , 57, 56-61	4.7	13
35	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> , 2013 , 35, 1732-7	4.2	13
34	Quantitative analysis of vascular response after mandibular fracture repair using microcomputed tomography with vessel perfusion. <i>Plastic and Reconstructive Surgery</i> , 2011 , 127, 1487-1493	2.7	13
33	Targeting angiogenesis as a therapeutic means to reinforce osteocyte survival and prevent nonunions in the aftermath of radiotherapy. <i>Head and Neck</i> , 2015 , 37, 1261-7	4.2	12
32	Amifostine reduces radiation-induced complications in a murine model of expander-based breast reconstruction. <i>Plastic and Reconstructive Surgery</i> , 2014 , 134, 551e-560e	2.7	12
31	Career satisfaction of surgical specialties. <i>Annals of Surgery</i> , 2011 , 253, 1011-6	7.8	12
30	Factors impacting perceived threat of malpractice lawsuits by various medical specialists. <i>Health Care Manager</i> , 2011 , 30, 55-65	1.4	11
29	Role of parathyroid hormone in regeneration of irradiated bone in a murine model of mandibular distraction osteogenesis. <i>Head and Neck</i> , 2017 , 39, 464-470	4.2	9
28	Changes in Skin Vascularity in a Murine Model for Postmastectomy Radiation. <i>Annals of Plastic Surgery</i> , 2016 , 76, 494-8	1.7	9
27	Prophylactic administration of Amifostine protects vessel thickness in the setting of irradiated bone. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2015 , 68, 98-103	1.7	8
26	Prophylactic amifostine preserves the biomechanical properties of irradiated bone in the murine mandible. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 314e-321e	2.7	8
25	Amifostine protects vascularity and improves union in a model of irradiated mandibular fracture healing. <i>Plastic and Reconstructive Surgery</i> , 2013 , 132, 1542-1549	2.7	8
24	Parathyroid hormone therapy mollifies radiation-induced biomechanical degradation in murine distraction osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2013 , 132, 91e-100e	2.7	8
23	Quantifying mineralization using bone mineral density distribution in the mandible. <i>Journal of Craniofacial Surgery</i> , 2012 , 23, 1502-6	1.2	8
22	A Histomorphometric Analysis of Radiation Damage in an Isogenic Murine Model of Distraction Osteogenesis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 2419-28	1.8	7

21	Vascular analysis as a proxy for mechano-transduction response in an isogenic, irradiated murine model of mandibular distraction osteogenesis. <i>Microvascular Research</i> , 2014 , 95, 143-8	3.7	7
20	The effects of high dose and highly fractionated radiation on distraction osteogenesis in the murine mandible. <i>Radiation Oncology</i> , 2012 , 7, 151	4.2	7
19	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> , 2018 , 80, 176-180	1.7	6
18	An isogenic model of murine mandibular distraction osteogenesis. <i>Journal of Craniofacial Surgery</i> , 2013 , 24, 540-4	1.2	6
17	Translational treatment paradigm for managing non-unions secondary to radiation injury utilizing adipose derived stem cells and angiogenic therapy. <i>Head and Neck</i> , 2016 , 38 Suppl 1, E837-43	4.2	6
16	Bone marrow stem cells assuage radiation-induced damage in a murine model of distraction osteogenesis: A histomorphometric evaluation. <i>Cytotherapy</i> , 2016 , 18, 664-72	4.8	6
15	Factors impacting career satisfaction of hospitalists. <i>Health Care Manager</i> , 2012 , 31, 351-6	1.4	5
14	Amifostine Demonstrates Significant Cytoprotection in an Irradiated Murine Model of Mandibular Distraction Osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2011 , 128, 18	2.7	4
13	An empirical investigation of the differences between male and female medical school physicians. <i>Health Care Manager</i> , 2011 , 30, 334-41	1.4	4
12	Amifostine Treatment Mitigates the Damaging Effects of Radiation on Distraction Osteogenesis in the Murine Mandible. <i>Annals of Plastic Surgery</i> , 2016 , 77, 164-8	1.7	4
11	Distraction osteogenesis following low-dose hyperfractionated irradiation in the rat mandible. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013 , 71, 1465-70	1.8	3
10	Prophylactic Administration of Amifostine Protects Vessel Thickness and Luminal Diameter in the Setting of Irradiation. <i>Plastic and Reconstructive Surgery</i> , 2014 , 134, 1	2.7	3
9	Deferoxamine Augments Vascularity and Prevents Osteocyte Depletion Following Radiotherapy in a Mandibular Pathologic Fracture Model. <i>Plastic and Reconstructive Surgery</i> , 2012 , 130, 15-16	2.7	3
8	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> , 2016 , 74, 2055-65	1.8	3
7	Abstract 53: prophylactic amifostine preserves the biomechanical properties of irradiated bone in the murine mandible. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 64-65	2.7	
6	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> , 2014 , 133, 91	2.7	
5	Abstract 80: Parathyroid Hormone Remediate Radiation Damage in a Murine Model of Distraction Osteogenesis via Histological Evaluation. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 92	2.7	
4	Abstract 83: improved biomechanical metrics in the treatment of radiotherapy-induced non-unions with a novel combination therapy. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 95	2.7	

- 3 Abstract 32: amifostine reduces radiation-induced complications in a murine model of expander-based breast reconstruction. *Plastic and Reconstructive Surgery*, **2014**, 133, 43 2.7
- 2 Significant Differences in the Bone of an Isogenic Inbred Versus Nonisogenic Outbred Murine Mandible: A Study in Rigor and Reproducibility. *Journal of Craniofacial Surgery*, **2017**, 28, 915-919 1.2
- 1 Discussion: Local hemodynamic effects of radiation on the rabbit orbitozygomatic complex with and without cytoprotection. *Plastic and Reconstructive Surgery*, **2012**, 129, 609-610 2.7