

Shailesh Agarwal

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,404
citations

236925
25
h-index

206112
48
g-index

61
all docs

61
docs citations

61
times ranked

2716
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Breast Conservation Therapy vs Mastectomy on Disease-Specific Survival for Early-Stage Breast Cancer. JAMA Surgery, 2014, 149, 267.	4.3	283
2	Heterotopic Ossification: Basic-Science Principles and Clinical Correlates. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1101-1111.	3.0	280
3	Inhibition of Hif1 α prevents both trauma-induced and genetic heterotopic ossification. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E338-47.	7.1	178
4	Treatment of heterotopic ossification through remote ATP hydrolysis. Science Translational Medicine, 2014, 6, 255ra132.	12.4	119
5	Regulation of heterotopic ossification by monocytes in a mouse model of aberrant wound healing. Nature Communications, 2020, 11, 722.	12.8	104
6	Scleraxis-Lineage Cells Contribute to Ectopic Bone Formation in Muscle and Tendon. Stem Cells, 2017, 35, 705-710.	3.2	102
7	The traumatic bone: trauma-induced heterotopic ossification. Translational Research, 2017, 186, 95-111.	5.0	95
8	An Analysis of Immediate Postmastectomy Breast Reconstruction Frequency Using the Surveillance, Epidemiology, and End Results Database. Breast Journal, 2011, 17, 352-358.	1.0	87
9	Immediate Reconstruction of the Radiated Breast: Recent Trends Contrary to Traditional Standards. Annals of Surgical Oncology, 2015, 22, 2551-2559.	1.5	84
10	Therapeutic nipple-sparing mastectomy: trends based on a national cancer database. American Journal of Surgery, 2014, 208, 93-98.	1.8	59
11	Strategic Targeting of Multiple BMP Receptors Prevents Trauma-Induced Heterotopic Ossification. Molecular Therapy, 2017, 25, 1974-1987.	8.2	57
12	Use of Resorbable Implants for Mandibular Fixation. Journal of Craniofacial Surgery, 2009, 20, 331-339.	0.7	54
13	Defining the Relationship between Patient Decisions to Undergo Breast Reconstruction and Contralateral Prophylactic Mastectomy. Plastic and Reconstructive Surgery, 2015, 135, 661-670.	1.4	53
14	Targeted stimulation of retinoic acid receptor- β mitigates the formation of heterotopic ossification in an established blast-related traumatic injury model. Bone, 2016, 90, 159-167.	2.9	51
15	BMP-2-induced bone formation and neural inflammation. Journal of Orthopaedics, 2017, 14, 252-256.	1.3	51
16	Masculinizing Genital Gender Confirmation Surgery. Sexual Medicine Reviews, 2019, 7, 141-155.	2.9	46
17	Surgical Excision of Heterotopic Ossification Leads to Re-Emergence of Mesenchymal Stem Cell Populations Responsible for Recurrence. Stem Cells Translational Medicine, 2017, 6, 799-806.	3.3	44
18	BMP signaling mediated by constitutively active Activin type 1 receptor (ACVR1) results in ectopic bone formation localized to distal extremity joints. Developmental Biology, 2015, 400, 202-209.	2.0	41

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19	Local and Circulating Endothelial Cells Undergo Endothelial to Mesenchymal Transition (EndMT) in Response to Musculoskeletal Injury. <i>Scientific Reports</i> , 2016, 6, 32514.	3.3	37
20	Mesenchymal VEGFA induces aberrant differentiation in heterotopic ossification. <i>Bone Research</i> , 2019, 7, 36.	11.4	37
21	Direct Mouse Trauma/Burn Model of Heterotopic Ossification. <i>Journal of Visualized Experiments</i> , 2015, , e52880.	0.3	31
22	Survival in Breast Cancer Patients Undergoing Immediate Breast Reconstruction. <i>Breast Journal</i> , 2010, 16, 503-509.	1.0	30
23	Heterotopic Ossification and Hypertrophic Scars. <i>Clinics in Plastic Surgery</i> , 2017, 44, 749-755.	1.5	30
24	Abdominal wall dynamics after component separation hernia repair. <i>Journal of Surgical Research</i> , 2015, 193, 497-503.	1.6	28
25	Characterizing the Circulating Cell Populations in Traumatic Heterotopic Ossification. <i>American Journal of Pathology</i> , 2018, 188, 2464-2473.	3.8	28
26	Lipofibromatous Hamartoma of the Median Nerve. <i>Journal of Hand Surgery</i> , 2013, 38, 392-397.	1.6	27
27	Analysis of Bone-Cartilage-Stromal Progenitor Populations in Trauma Induced and Genetic Models of Heterotopic Ossification. <i>Stem Cells</i> , 2016, 34, 1692-1701.	3.2	27
28	Disruption of Neutrophil Extracellular Traps (NETs) Links Mechanical Strain to Post-traumatic Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 2148.	4.8	25
29	Peripheral Neuropathy and Nerve Compression Syndromes in Burns. <i>Clinics in Plastic Surgery</i> , 2017, 44, 793-803.	1.5	24
30	Lymphatic Microsurgical Preventive Healing Approach (LYMPHA) for the prevention of secondary lymphedema. <i>Breast Journal</i> , 2020, 26, 721-724.	1.0	24
31	Heterotopic Ossification Following Upper Extremity Injury. <i>Hand Clinics</i> , 2017, 33, 363-373.	1.0	21
32	mTOR inhibition and BMP signaling act synergistically to reduce muscle fibrosis and improve myofiber regeneration. <i>JCI Insight</i> , 2016, 1, e89805.	5.0	21
33	The role of the adaptive immune system in burn-induced heterotopic ossification and mesenchymal cell osteogenic differentiation. <i>Journal of Surgical Research</i> , 2016, 206, 53-61.	1.6	18
34	The association between socioeconomic factors and breast cancer-specific survival varies by race. <i>PLoS ONE</i> , 2017, 12, e0187018.	2.5	18
35	Diminished Chondrogenesis and Enhanced Osteoclastogenesis in Leptin-Deficient Diabetic Mice (<i>ob/ob</i>) Impair Pathologic, Trauma-Induced Heterotopic Ossification. <i>Stem Cells and Development</i> , 2015, 24, 2864-2872.	2.1	17
36	Characterization of Cells Isolated from Genetic and Trauma-Induced Heterotopic Ossification. <i>PLoS ONE</i> , 2016, 11, e0156253.	2.5	16

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37	Characterization of Heterotopic Ossification Using Radiographic Imaging: Evidence for a Paradigm Shift. PLoS ONE, 2015, 10, e0141432.	2.5	14
38	Cross-sectional area of the abdomen predicts complication incidence in patients undergoing sternal reconstruction. Journal of Surgical Research, 2014, 192, 670-677.	1.6	13
39	Body contouring after obesity surgery is associated with a weight loss benefit among patients. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 1186-1190.	1.0	13
40	Cohort study of immediate implant exchange during acute infection in the setting of breast reconstruction. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 865-870.	1.0	12
41	Raman spectroscopy for label-free identification of calciphylaxis. Journal of Biomedical Optics, 2015, 20, 080501.	2.6	11
42	Radiation Delivery in Patients Undergoing Therapeutic Nipple-Sparing Mastectomy. Annals of Surgical Oncology, 2015, 22, 46-51.	1.5	11
43	Discussion. Plastic and Reconstructive Surgery, 2019, 143, 465-466.	1.4	11
44	Coordinating Tissue Regeneration Through Transforming Growth Factor- β 2 Activated Kinase 1 Inactivation and Reactivation. Stem Cells, 2019, 37, 766-778.	3.2	10
45	Targeting of ALK2, a Receptor for Bone Morphogenetic Proteins, Using the Cre/lox System to Enhance Osseous Regeneration by Adipose-Derived Stem Cells. Stem Cells Translational Medicine, 2014, 3, 1375-1380.	3.3	9
46	Hair follicle specific ACVR1/ALK2 critically affects skin morphogenesis and attenuates wound healing. Wound Repair and Regeneration, 2017, 25, 521-525.	3.0	8
47	Association between unilateral or bilateral mastectomy and breast cancer death in patients with unilateral ductal carcinoma. Cancer Management and Research, 2017, Volume 9, 649-656.	1.9	7
48	Adipose-Derived Mesenchymal Stem Cells from Ventral Hernia Repair Patients Demonstrate Decreased Vasculogenesis. BioMed Research International, 2014, 2014, 1-7.	1.9	6
49	Effective Treatment of Chronic Mastectomy Pain with Intercostal Sensory Neurectomy. Plastic and Reconstructive Surgery, 2022, 149, 876e-880e.	1.4	6
50	Lymphovenous shunts: from development to clinical applications. Microcirculation, 2021, 28, e12682.	1.8	5
51	Morphomic analysis as an aid for preoperative risk stratification in patients undergoing major head and neck cancer surgery. Journal of Surgical Research, 2015, 194, 177-184.	1.6	4
52	Combined reflectance and Raman spectroscopy to assess degree of inÂvivo angiogenesis after tissue injury. Journal of Surgical Research, 2017, 209, 174-177.	1.6	4
53	Second primary breast cancer after unilateral mastectomy alone or with contralateral prophylactic mastectomy. Cancer Medicine, 2020, 9, 8043-8052.	2.8	4
54	Optimizing Breast Reconstruction through Integration of Plastic Surgery and Radiation Oncology. Plastic and Reconstructive Surgery - Global Open, 2021, 9, e3577.	0.6	3

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55	Engendering Allograft Ignorance in a Mouse Model of Allogeneic Skin Transplantation to the Distal Hind Limb. <i>Annals of Surgery</i> , 2015, 261, 611-618.	4.2	2
56	Rigid sternal fixation in the management of pediatric postmedian sternotomy mediastinitis: A 20-year study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2015, 68, 1656-1661.	1.0	2
57	Discussion: Developing a Lymphatic Surgery Program: A First-Year Review. <i>Plastic and Reconstructive Surgery</i> , 2019, 144, 986e-987e.	1.4	1
58	Picking a bone with heterotopic ossification: translational progress current and future. <i>Annals of Translational Medicine</i> , 2015, 3, 188.	1.7	1
59	Local Recurrence of Breast Cancer 52 Years after Halsted Mastectomy: Is There a Role for More Aggressive Ipsilateral Surveillance?. <i>Case Reports in Oncological Medicine</i> , 2011, 2011, 1-3.	0.3	0
60	Discussion. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 478-479.	1.4	0
61	Breast reconstruction in the patient with stable, metastatic breast cancer. <i>Breast Journal</i> , 2020, 26, 335-336.	1.0	0