

Thomas A Davis

List of Publications by Year in descending order

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48
papers

2,180
citations

266019

23
h-index

223255

46
g-index

49
all docs

49
docs citations

49
times ranked

2540
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterotopic Ossification: Basic-Science Principles and Clinical Correlates. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1101-1111.	3.0	303
2	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.	7.6	186
3	Heterotopic Ossification Following Combat-Related Trauma. Journal of Bone and Joint Surgery - Series A, 2010, 92, 74-89.	3.0	139
4	Extracorporeal shock wave therapy suppresses the early proinflammatory immune response to a severe cutaneous burn injury*. International Wound Journal, 2009, 6, 11-21.	3.0	126
5	Scleraxis-Lineage Cells Contribute to Ectopic Bone Formation in Muscle and Tendon. Stem Cells, 2017, 35, 705-710.	3.6	107
6	The traumatic bone: trauma-induced heterotopic ossification. Translational Research, 2017, 186, 95-111.	5.2	101
7	Inflammatory Biomarkers in Combat Wound Healing. Annals of Surgery, 2009, 250, 1002-1007.	4.5	98
8	Orthopaedic osseointegration: Implantology and future directions. Journal of Orthopaedic Research, 2020, 38, 1445-1454.	2.4	82
9	Subcutaneous administration of genistein prior to lethal irradiation supports multilineage, hematopoietic progenitor cell recovery and survival. International Journal of Radiation Biology, 2007, 83, 141-151.	1.5	79
10	Genistein induces radioprotection by hematopoietic stem cell quiescence. International Journal of Radiation Biology, 2008, 84, 713-726.	1.5	75
11	Heterotopic Ossification in Complex Orthopaedic Combat Wounds. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1122-1131.	3.0	69
12	Strategic Targeting of Multiple BMP Receptors Prevents Trauma-Induced Heterotopic Ossification. Molecular Therapy, 2017, 25, 1974-1987.	8.1	63
13	Heterotopic ossification and the elucidation of pathologic differentiation. Bone, 2018, 109, 12-21.	3.0	61
14	Timing of captopril administration determines radiation protection or radiation sensitization in a murine model of total body irradiation. Experimental Hematology, 2010, 38, 270-281.	0.5	58
15	Modeling acute traumatic injury. Journal of Surgical Research, 2015, 194, 220-232.	1.7	53
16	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.	3.0	51
17	Early Characterization of Blast-related Heterotopic Ossification in a Rat Model. Clinical Orthopaedics and Related Research, 2015, 473, 2831-2839.	1.5	46
18	Bioburden Increases Heterotopic Ossification Formation in an Established Rat Model. Clinical Orthopaedics and Related Research, 2015, 473, 2840-2847.	1.5	46

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19	Inhibition of Mammalian Target of Rapamycin Signaling with Rapamycin Prevents Trauma-Induced Heterotopic Ossification. <i>American Journal of Pathology</i> , 2017, 187, 2536-2545.	4.1	45
20	Adipose-Derived Stromal Cells Promote Allograft Tolerance Induction. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1444-1450.	3.5	31
21	Ectopic bone formation in severely combat-injured orthopedic patients " A hematopoietic niche. <i>Bone</i> , 2013, 56, 119-126.	3.0	30
22	Early local delivery of vancomycin suppresses ectopic bone formation in a rat model of trauma-induced heterotopic ossification. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2397-2406.	2.4	25
23	The role of neutrophil extracellular traps and TLR signaling in skeletal muscle ischemia reperfusion injury. <i>FASEB Journal</i> , 2020, 34, 15753-15770.	0.5	25
24	Trauma is danger. <i>Journal of Translational Medicine</i> , 2011, 9, 92.	4.5	24
25	Differential cutaneous wound healing in thermally injured MRL/MPJ mice. <i>Wound Repair and Regeneration</i> , 2007, 15, 577-588.	3.2	23
26	Alarming Cargo: The Role of Exosomes in Trauma-Induced Inflammation. <i>Biomolecules</i> , 2021, 11, 522.	4.2	23
27	BMP Ligand Trap ALK3-Fc Attenuates Osteogenesis and Heterotopic Ossification in Blast-Related Lower Extremity Trauma. <i>Stem Cells and Development</i> , 2021, 30, 91-105.	2.1	18
28	Location-dependent heterotopic ossification in the rat model: The role of activated matrix metalloproteinase 9. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1894-1904.	2.4	17
29	Tranexamic acid decreases rodent hemorrhagic shock-induced inflammation with mixed end-organ effects. <i>PLoS ONE</i> , 2018, 13, e0208249.	2.5	17
30	Characterization of Cells Isolated from Genetic and Trauma-Induced Heterotopic Ossification. <i>PLoS ONE</i> , 2016, 11, e0156253.	2.5	17
31	Administration of FTY720 during Tourniquet-Induced Limb Ischemia Reperfusion Injury Attenuates Systemic Inflammation. <i>Mediators of Inflammation</i> , 2017, 2017, 1-11.	3.1	16
32	Palovarotene inhibits connective tissue progenitor cell proliferation in a rat model of combat-related heterotopic ossification. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1135-1144.	2.4	16
33	Aplastic anemia as the sole presentation of systemic lupus erythematosus. <i>American Journal of Hematology</i> , 1996, 51, 237-239.	4.3	13
34	Trauma induced heterotopic ossification patient serum alters mitogen activated protein kinase signaling in adipose stem cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 7035-7044.	4.2	12
35	Key early proinflammatory signaling molecules encapsulated within circulating exosomes following traumatic injury. <i>Journal of Inflammation</i> , 2022, 19, 6.	3.7	12
36	Small molecule inhibition of non-canonical (TAK1-mediated) BMP signaling results in reduced chondrogenic ossification and heterotopic ossification in a rat model of blast-associated combat-related lower limb trauma. <i>Bone</i> , 2020, 139, 115517.	3.0	10

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37	Host responses to concurrent combined injuries in non-human primates. <i>Journal of Inflammation</i> , 2017, 14, 23.	3.7	9
38	High Frequency Spectral Ultrasound Imaging Detects Early Heterotopic Ossification in Rodents. <i>Stem Cells and Development</i> , 2021, 30, 473-484.	2.1	8
39	Characterization of Brown Adipose-Like Tissue in Trauma-Induced Heterotopic Ossification in Humans. <i>American Journal of Pathology</i> , 2017, 187, 2071-2079.	4.1	6
40	The impact of septic stimuli on the systemic inflammatory response and physiologic insult in a preclinical non-human primate model of polytraumatic injury. <i>Journal of Inflammation</i> , 2018, 15, 11.	3.7	6
41	Systematic Identification of the Optimal Housekeeping Genes for Accurate Transcriptomic and Proteomic Profiling of Tissues following Complex Traumatic Injury. <i>Methods and Protocols</i> , 2023, 6, 22.	2.9	6
42	FTY720 Effects on Inflammation and Liver Damage in a Rat Model of Renal Ischemia-Reperfusion Injury. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	3.1	5
43	Tourniquet-induced ischemia creates increased risk of organ dysfunction and mortality following delayed limb amputation. <i>Injury</i> , 2023, 54, 1792-1803.	1.7	4
44	Culture and characterization of various porcine integumentary-connective tissue-derived mesenchymal stromal cells to facilitate tissue adhesion to percutaneous metal implants. <i>Stem Cell Research and Therapy</i> , 2021, 12, 604.	5.7	2
45	Determining early markers of disease using Raman spectroscopy in a rat combat-trauma model of heterotopic ossification. <i>Proceedings of SPIE</i> , 2016, , .	1.0	1
46	Proteomic characterization of a trauma-based rat model of heterotopic ossification identifies interactive signaling networks as potential therapeutic targets. <i>Journal of Proteomics</i> , 2020, 226, 103907.	2.5	1
47	Longitudinal Analysis of Circulating Markers of Bone Turnover Across Multiple Decades in Osteoporotic Women. <i>Journal of Hand Surgery</i> , 2021, , .	1.7	1
48	Induction of Skin Allograft Transplantation Tolerance in Mice Using Human Adipose Derived Stromal Cells. <i>Methods in Molecular Biology</i> , 2018, 1773, 73-91.	0.0	0