

# Thomas A Davis

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,058  
citations

279701

23  
h-index

233338

45  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2043  
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.	1.4	280
2	Inhibition of Hif1 $\alpha$ 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.	3.3	178
3	Heterotopic Ossification Following Combat-Related Trauma. Journal of Bone and Joint Surgery - Series A, 2010, 92, 74-89.	1.4	137
4	Extracorporeal shock wave therapy suppresses the early proinflammatory immune response to a severe cutaneous burn injury*. International Wound Journal, 2009, 6, 11-21.	1.3	124
5	Scleraxis-Lineage Cells Contribute to Ectopic Bone Formation in Muscle and Tendon. Stem Cells, 2017, 35, 705-710.	1.4	102
6	Inflammatory Biomarkers in Combat Wound Healing. Annals of Surgery, 2009, 250, 1002-1007.	2.1	97
7	The traumatic bone: trauma-induced heterotopic ossification. Translational Research, 2017, 186, 95-111.	2.2	95
8	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.	1.0	78
9	Genistein induces radioprotection by hematopoietic stem cell quiescence. International Journal of Radiation Biology, 2008, 84, 713-726.	1.0	75
10	Heterotopic Ossification in Complex Orthopaedic Combat Wounds. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1122-1131.	1.4	69
11	Orthopaedic osseointegration: Implantology and future directions. Journal of Orthopaedic Research, 2020, 38, 1445-1454.	1.2	66
12	Strategic Targeting of Multiple BMP Receptors Prevents Trauma-Induced Heterotopic Ossification. Molecular Therapy, 2017, 25, 1974-1987.	3.7	57
13	Timing of captopril administration determines radiation protection or radiation sensitization in a murine model of total body irradiation. Experimental Hematology, 2010, 38, 270-281.	0.2	56
14	Heterotopic ossification and the elucidation of pathologic differentiation. Bone, 2018, 109, 12-21.	1.4	56
15	Modeling acute traumatic injury. Journal of Surgical Research, 2015, 194, 220-232.	0.8	51
16	Targeted stimulation of retinoic acid receptor- $\beta$ mitigates the formation of heterotopic ossification in an established blast-related traumatic injury model. Bone, 2016, 90, 159-167.	1.4	51
17	Bioburden Increases Heterotopic Ossification Formation in an Established Rat Model. Clinical Orthopaedics and Related Research, 2015, 473, 2840-2847.	0.7	45
18	Early Characterization of Blast-related Heterotopic Ossification in a Rat Model. Clinical Orthopaedics and Related Research, 2015, 473, 2831-2839.	0.7	44

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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.	1.9	44
20	Adipose-Derived Stromal Cells Promote Allograft Tolerance Induction. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1444-1450.	1.6	31
21	Ectopic bone formation in severely combat-injured orthopedic patients " A hematopoietic niche. <i>Bone</i> , 2013, 56, 119-126.	1.4	29
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.	1.2	25
23	Differential cutaneous wound healing in thermally injured MRL/MPJ mice. <i>Wound Repair and Regeneration</i> , 2007, 15, 577-588.	1.5	23
24	Trauma is danger. <i>Journal of Translational Medicine</i> , 2011, 9, 92.	1.8	23
25	The role of neutrophil extracellular traps and TLR signaling in skeletal muscle ischemia reperfusion injury. <i>FASEB Journal</i> , 2020, 34, 15753-15770.	0.2	21
26	Alarming Cargo: The Role of Exosomes in Trauma-Induced Inflammation. <i>Biomolecules</i> , 2021, 11, 522.	1.8	18
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.	1.1	17
28	Administration of FTY720 during Tourniquet-Induced Limb Ischemia Reperfusion Injury Attenuates Systemic Inflammation. <i>Mediators of Inflammation</i> , 2017, 2017, 1-11.	1.4	16
29	Characterization of Cells Isolated from Genetic and Trauma-Induced Heterotopic Ossification. <i>PLoS ONE</i> , 2016, 11, e0156253.	1.1	16
30	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.	1.2	15
31	Tranexamic acid decreases rodent hemorrhagic shock-induced inflammation with mixed end-organ effects. <i>PLoS ONE</i> , 2018, 13, e0208249.	1.1	15
32	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.	1.2	14
33	Aplastic anemia as the sole presentation of systemic lupus erythematosus. , 1996, 51, 237-239.		13
34	Burned to the Bone. <i>Science Translational Medicine</i> , 2014, 6, 255fs37.	5.8	13
35	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.	2.0	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.	1.4	9

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37	Key early proinflammatory signaling molecules encapsulated within circulating exosomes following traumatic injury. <i>Journal of Inflammation</i> , 2022, 19, 6.	1.5	9
38	Host responses to concurrent combined injuries in non-human primates. <i>Journal of Inflammation</i> , 2017, 14, 23.	1.5	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.	1.9	6
40	High Frequency Spectral Ultrasound Imaging Detects Early Heterotopic Ossification in Rodents. <i>Stem Cells and Development</i> , 2021, 30, 473-484.	1.1	6
41	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.	1.5	5
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.	1.4	5
43	Determining early markers of disease using Raman spectroscopy in a rat combat-trauma model of heterotopic ossification. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
44	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.	1.2	1
45	Longitudinal Analysis of Circulating Markers of Bone Turnover Across Multiple Decades in Osteoporotic Women. <i>Journal of Hand Surgery</i> , 2021, , .	0.7	1
46	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.	2.4	1
47	Induction of Skin Allograft Transplantation Tolerance in Mice Using Human Adipose Derived Stromal Cells. <i>Methods in Molecular Biology</i> , 2018, 1773, 73-91.	0.4	0
48	Lyophilized Platelet Transfusion Does Not Constitute An Immunologic "Second Hit" In a Non-Human Primate Hemorrhagic Shock Model. <i>Blood</i> , 2010, 116, 3360-3360.	0.6	0