

Nadim James Hallab

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.

30
papers

2,136
citations

18
h-index

30
g-index

30
ext. papers

2,345
ext. citations

3
avg, IF

4.71
L-index

#	Paper	IF	Citations
30	Metal sensitivity in patients with orthopaedic implants. <i>Journal of Bone and Joint Surgery - Series A</i> , 2001 , 83, 428-36	5.6	595
29	Concentration- and composition-dependent effects of metal ions on human MG-63 osteoblasts. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 420-33		207
28	Lymphocyte responses in patients with total hip arthroplasty. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 384-91	3.8	176
27	Differences in the fretting corrosion of metal-metal and ceramic-metal modular junctions of total hip replacements. <i>Journal of Orthopaedic Research</i> , 2004 , 22, 250-9	3.8	145
26	Th1 type lymphocyte reactivity to metals in patients with total hip arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2008 , 3, 6	2.8	109
25	Analysis of metal ion-induced DNA damage, apoptosis, and necrosis in human (Jurkat) T-cells demonstrates Ni ²⁺ and V ³⁺ are more toxic than other metals: Al ³⁺ , Be ²⁺ , Co ²⁺ , Cr ³⁺ , Cu ²⁺ , Fe ³⁺ , Mo ⁵⁺ , Nb ⁵⁺ , Zr ²⁺ . <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 905-13	5.4	107
24	The pathology of orthopedic implant failure is mediated by innate immune system cytokines. <i>Mediators of Inflammation</i> , 2014 , 2014, 185150	4.3	106
23	Effects of soluble metals on human peri-implant cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 74, 124-40	5.4	94
22	Immune responses correlate with serum-metal in metal-on-metal hip arthroplasty. <i>Journal of Arthroplasty</i> , 2004 , 19, 88-93	4.4	93
21	Differential lymphocyte reactivity to serum-derived metal-protein complexes produced from cobalt-based and titanium-based implant alloy degradation. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 56, 427-36		90
20	Biomaterial optimization in total disc arthroplasty. <i>Spine</i> , 2003 , 28, S139-52	3.3	70
19	Interfacial kinetics of titanium- and cobalt-based implant alloys in human serum: metal release and biofilm formation. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 65, 311-8		57
18	Macrophage reactivity to different polymers demonstrates particle size- and material-specific reactivity: PEEK-OPTIMA(□) particles versus UHMWPE particles in the submicron, micron, and 10 micron size ranges. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 480-92	3.5	52
17	A review of the biologic effects of spine implant debris: Fact from fiction. <i>SAS Journal</i> , 2009 , 3, 143-60		44
16	Cobalt Alloy Implant Debris Induces Inflammation and Bone Loss Primarily through Danger Signaling, Not TLR4 Activation: Implications for DAMP-ening Implant Related Inflammation. <i>PLoS ONE</i> , 2016 , 11, e0160141	3.7	33
15	In vitro reactivity to implant metals demonstrates a person-dependent association with both T-cell and B-cell activation. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 667-82	5.4	31
14	The Inflammatory Effects of Breast Implant Particulate Shedding: Comparison With Orthopedic Implants. <i>Aesthetic Surgery Journal</i> , 2019 , 39, S36-S48	2.4	30

13	Lymphocyte transformation testing for quantifying metal-implant-related hypersensitivity responses. <i>Dermatitis</i> , 2004 , 15, 82-90	2.6	30
12	Quantifying subtle but persistent peri-spine inflammation in vivo to submicron cobalt-chromium alloy particles. <i>European Spine Journal</i> , 2012 , 21, 2649-58	2.7	15
11	Implant debris particle size affects serum protein adsorption which may contribute to particle size-based bioreactivity differences. <i>Journal of Long-Term Effects of Medical Implants</i> , 2014 , 24, 77-88	0.2	15
10	Design of a tribocorrosion bioreactor for the analysis of immune cell response to in situ generated wear products. <i>Journal of Long-Term Effects of Medical Implants</i> , 2014 , 24, 65-76	0.2	9
9	Metal sensitivities among TJA patients with post-operative pain: indications for multi-metal LTT testing. <i>Journal of Long-Term Effects of Medical Implants</i> , 2014 , 24, 37-44	0.2	6
8	Transition from metal-DTH resistance to susceptibility is facilitated by NLRP3 inflammasome signaling induced Th17 reactivity: Implications for orthopedic implants. <i>PLoS ONE</i> , 2019 , 14, e0210336	3.7	6
7	CoCrMo alloy . UHMWPE Particulate Implant Debris Induces Sex Dependent Aseptic Osteolysis Responses using a Murine Model. <i>The Open Orthopaedics Journal</i> , 2018 , 12, 115-124	0.3	5
6	In vitro assessment of serum-saline ratios for fluid simulator testing of highly modular spinal implants with articulating surfaces. <i>International Journal of Spine Surgery</i> , 2008 , 2, 171-83	1.4	3
5	CORR Insights(□): do patients with a failed metal-on-metal hip implant with a pseudotumor present differences in their peripheral blood lymphocyte subpopulations?. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 3915-7	2.2	2
4	Metal-induced delayed type hypersensitivity responses potentiate particle induced osteolysis in a sex and age dependent manner. <i>PLoS ONE</i> , 2021 , 16, e0251885	3.7	2
3	SMART Biosensor for Early Diagnostic Detection of Metal Ion Release in Orthopedic Patients: Initial Outcome. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	2
2	Biologic Aspects of Implant Wear 2012 , 157-168		1
1	Differential lymphocyte reactivity to serum-derived metal-protein complexes produced from cobalt-based and titanium-based implant alloy degradation 2001 , 56, 427		1