

# David Rebenda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4984524/publications.pdf>

Version: 2024-02-01

16  
papers

185  
citations

1307594

7  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

107  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Dependence of Rheology of Hyaluronic Acid Solutions and Frictional Behavior of Articular Cartilage. <i>Materials</i> , 2020, 13, 2659.	2.9	37
2	Enhanced lubricant film formation through micro-dimpled hard-on-hard artificial hip joint: An in-situ observation of dimple shape effects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 81, 120-129.	3.1	35
3	In situ observation of lubricant film formation in THR considering real conformity: The effect of model synovial fluid composition. <i>Tribology International</i> , 2018, 117, 206-216.	5.9	24
4	The Effect of Synovial Fluid Composition, Speed and Load on Frictional Behaviour of Articular Cartilage. <i>Materials</i> , 2020, 13, 1334.	2.9	24
5	Rheological and frictional analysis of viscosupplements towards improved lubrication of human joints. <i>Tribology International</i> , 2021, 160, 107030.	5.9	17
6	Biotribology of Synovial Cartilage: A New Method for Visualization of Lubricating Film and Simultaneous Measurement of the Friction Coefficient. <i>Materials</i> , 2020, 13, 2075.	2.9	15
7	Visualization of Lubrication Film in Model of Synovial Joint. <i>Tribology in Industry</i> , 2019, 41, 387-393.	1.1	10
8	Towards the direct validation of computational lubrication modelling of hip replacements. <i>Tribology International</i> , 2020, 146, 106240.	5.9	5
9	Analysis of Chemisorbed Tribo-Film for Ceramic-on-Ceramic Hip Joint Prostheses by Raman Spectroscopy. <i>Journal of Functional Biomaterials</i> , 2021, 12, 29.	4.4	5
10	A composite device for viscosupplementation treatment resistant to degradation by reactive oxygen species and hyaluronidase. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 2595-2611.	3.4	5
11	Raman analysis of chemisorbed tribofilm for metalâ€œnâ€œpolyethylene hip joint prostheses. <i>Biosurface and Biotribology</i> , 2021, 7, 1-11.	1.5	4
12	Biotribology of synovial cartilage: Role of albumin in adsorbed film formation. <i>Engineering Science and Technology, an International Journal</i> , 2022, 34, 101090.	3.2	3
13	Development of reciprocating tribometer for testing synovial joint. , 2018, , .		1
14	Effect of hyaluronic acid on friction of articular cartilage. , 2018, , .		0
15	EFFECT OF HYALURONIC ACID MOLECULAR WEIGHT ON FRICTION OF ARTICULAR CARTILAGE. <i>Proceedings on Engineering Sciences</i> , 2019, 1, 693-697.	0.4	0
16	OBSERVATION OF LUBRICATION FILM IN SYNOVIAL JOINT. <i>Proceedings on Engineering Sciences</i> , 2019, 1, 687-692.	0.4	0