

# Subir Ghosh

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

378  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved friction and wear performance of micro dimpled ceramic-on-ceramic interface for hip joint arthroplasty. <i>Ceramics International</i> , 2015, 41, 681-690.	4.8	78
2	Status of surface modification techniques for artificial hip implants. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 715-735.	6.1	69
3	Tribological role of synovial fluid compositions on artificial joints - a systematic review of the last 10 years. <i>Lubrication Science</i> , 2014, 26, 387-410.	2.1	64
4	Tribological performance of the biological components of synovial fluid in artificial joint implants. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 045002.	6.1	39
5	Tribological investigation of diamond-like carbon coated micro-dimpled surface under bovine serum and osteoarthritis oriented synovial fluid. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 035002.	6.1	38
6	Selective laser melted titanium alloys for hip implant applications: Surface modification with new method of polymer grafting. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 87, 312-324.	3.1	24
7	Optimisation of grafted phosphorylcholine-based polymer on additively manufactured titanium substrate for hip arthroplasty. <i>Materials Science and Engineering C</i> , 2019, 101, 696-706.	7.3	17
8	Surface-Functionalized Polypropylene Surgical Mesh for Enhanced Performance and Biocompatibility. <i>ACS Applied Bio Materials</i> , 2019, 2, 5905-5915.	4.6	16
9	Lubricating ability of albumin and globulin on artificial joint implants: a tribological perspective. <i>International Journal of Surface Science and Engineering</i> , 2016, 10, 193.	0.4	13
10	Tribological behavior of hydrogenated diamond-like carbon on polished alumina substrate with chromium interlayer for biomedical application. <i>Biotribology</i> , 2016, 7, 1-10.	1.9	12
11	Performance analysis of grafted poly (2-methacryloyloxyethyl phosphorylcholine) on additively manufactured titanium substrate for hip implant applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 100, 103412.	3.1	6
12	The Influence of Surface Modification on Friction and Lubrication Mechanism Under a Bovine Serum Lubricated Condition. <i>Tribology Transactions</i> , 2016, 59, 316-322.	2.0	2