

# Aaqil Rifai

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

442  
citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycrystalline Diamond Coating of Additively Manufactured Titanium for Biomedical Applications. ACS Applied Materials & Interfaces, 2018, 10, 8474-8484.	8.0	61
2	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits <i>Staphylococcus aureus</i> Colonization. ACS Applied Materials & Interfaces, 2019, 11, 24588-24597.	8.0	60
3	Angle defines attachment: Switching the biological response to titanium interfaces by modifying the inclination angle during selective laser melting. Materials and Design, 2018, 154, 326-339.	7.0	51
4	Rational design of additively manufactured Ti6Al4V implants to control <i>Staphylococcus aureus</i> biofilm formation. Materials, 2019, 5, 100250.	2.7	45
5	Hybrid diamond/ carbon fiber microelectrodes enable multimodal electrical/chemical neural interfacing. Biomaterials, 2020, 230, 119648.	11.4	41
6	Nanodiamond/poly- $\epsilon$ -caprolactone nanofibrous scaffold for wound management. Materials Science and Engineering C, 2019, 100, 378-387.	7.3	38
7	Polypropylene-nanodiamond composite for hernia mesh. Materials Science and Engineering C, 2020, 111, 110780.	7.3	31
8	3D-Printed Diamond-Titanium Composite: A Hybrid Material for Implant Engineering. ACS Applied Bio Materials, 2020, 3, 29-36.	4.6	24
9	Diamond in the Rough: Toward Improved Materials for the Bone-Implant Interface. Advanced Healthcare Materials, 2021, 10, e2100007.	7.6	15
10	Diamond, Carbon Nanotubes and Graphene for Biomedical Applications. , 2019, , 97-107.		12
11	Liquid metal polymer composite: Flexible, conductive, biocompatible, and antimicrobial scaffold. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1131-1139.	3.4	12
12	Diamond in medical devices and sensors: An overview of diamond surfaces. Medical Devices & Sensors, 2020, 3, e10127.	2.7	10
13	Progress towards 3D-printing diamond for medical implants: A review. Annals of 3D Printed Medicine, 2021, 1, 100002.	3.1	10
14	Highly uniform polycrystalline diamond coatings of three-dimensional structures. Surface and Coatings Technology, 2021, 408, 126815.	4.8	10
15	Multifunctional Sutures with Temperature Sensing and Infection Control. Macromolecular Bioscience, 2021, 21, e2000364.	4.1	8
16	Shining a light on the hidden structure of gelatin methacryloyl bioinks using small-angle X-ray scattering (SAXS). Materials Chemistry Frontiers, 2021, 5, 8025-8036.	5.9	5
17	Osteoblast Cell Response on Polycrystalline Diamond-Coated Additively Manufactured Scaffolds. ACS Applied Bio Materials, 2021, 4, 7509-7516.	4.6	4
18	Coatings on metallic implants for biomedical applications. , 2020, , 359-385.		2

#	ARTICLE	IF	CITATIONS
19	Hybrid Self-Assembling Peptide/Gelatin Methacrylate (GelMA) Bioink Blend for Improved Bioprintability and Primary Myoblast Response. <i>Advanced NanoBiomed Research</i> , 0, , 2100106.	3.6	2
20	Self-Assembled Peptide Habitats to Model Tumor Metastasis. <i>Gels</i> , 2022, 8, 332.	4.5	1