

# Mohammad T Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

6,502  
citations

393982

19  
h-index

182168

51  
g-index

60  
all docs

60  
docs citations

60  
times ranked

14047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Stress-Responsive Changes in Collagen and Elastin Networks in Skin. <i>Skin Pharmacology and Physiology</i> , 2016, 29, 190-203.	1.1	4,815
2	Arsenic Removal with Iron(II) and Iron(III) in Waters with High Silicate and Phosphate Concentrations. <i>Environmental Science &amp; Technology</i> , 2004, 38, 307-315.	4.6	445
3	Hypoxic Culture Conditions as a Solution for Mesenchymal Stem Cell Based Regenerative Therapy. <i>Scientific World Journal</i> , The, 2013, 2013, 1-12.	0.8	164
4	Can Zn Be a Critical Element in COVID-19 Treatment?. <i>Biological Trace Element Research</i> , 2021, 199, 550-558.	1.9	100
5	Conditioned media derived from mesenchymal stem cell cultures: The next generation for regenerative medicine. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 569-586.	1.3	98
6	Effect of green and ripe <i>Carica papaya</i> epicarp extracts on wound healing and during pregnancy. <i>Food and Chemical Toxicology</i> , 2008, 46, 2384-2389.	1.8	89
7	Beneficial effects of ginger ( <i>Zingiber officinale</i> ) on carbohydrate metabolism in streptozotocin-induced diabetic rats. <i>British Journal of Nutrition</i> , 2012, 108, 1194-1201.	1.2	82
8	Optimization of Pre-transplantation Conditions to Enhance the Efficacy of Mesenchymal Stem Cells. <i>International Journal of Biological Sciences</i> , 2015, 11, 324-334.	2.6	66
9	Metallothionein: a Potential Link in the Regulation of Zinc in Nutritional Immunity. <i>Biological Trace Element Research</i> , 2018, 182, 1-13.	1.9	58
10	Isolation and identification of salt-tolerant plant-growth-promoting rhizobacteria and their application for rice cultivation under salt stress. <i>Canadian Journal of Microbiology</i> , 2020, 66, 144-160.	0.8	57
11	Potential benefits of combination of <i>Nigella sativa</i> and Zn supplements to treat COVID-19. <i>Journal of Herbal Medicine</i> , 2020, 23, 100382.	1.0	46
12	The need to quantify authors' relative intellectual contributions in a multi-author paper. <i>Journal of Informetrics</i> , 2017, 11, 275-281.	1.4	35
13	LL5 <sup>12</sup> Directs the Translocation of Filamin A and SHIP2 to Sites of Phosphatidylinositol 3,4,5-Triphosphate (PtdIns(3,4,5)P <sub>3</sub> ) Accumulation, and PtdIns(3,4,5)P <sub>3</sub> Localization Is Mutually Modified by Co-recruited SHIP2. <i>Journal of Biological Chemistry</i> , 2010, 285, 16155-16165.	1.6	31
14	Origin, Function, and Fate of Metallothionein in Human Blood. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2017, 173, 41-62.	0.9	26
15	Cellular and Molecular Responses to Mechanical Expansion of Tissue. <i>Frontiers in Physiology</i> , 2016, 7, 540.	1.3	25
16	Anti-inflammatory and antioxidant properties of unripe papaya extract in an excision wound model. <i>Pharmaceutical Biology</i> , 2015, 53, 662-671.	1.3	24
17	Developing control points for halal slaughtering of poultry. <i>Poultry Science</i> , 2016, 95, 1680-1692.	1.5	24
18	Effects of non-surgical rapid maxillary expansion on nasal structures and breathing: A systematic review. <i>International Orthodontics</i> , 2019, 17, 12-19.	0.6	22

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19	Selenium added unripe carica papaya pulp extracts enhance wound repair through TGF- $\beta$ 1 and VEGF-a signalling pathway. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 369.	3.7	21
20	AFM analysis of collagen fibrils in expanded scalp tissue after anisotropic tissue expansion. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1030-1038.	3.6	19
21	Dental derived stem cell conditioned media for hair growth stimulation. <i>PLoS ONE</i> , 2019, 14, e0216003.	1.1	18
22	Isolation of Endophytic Salt-Tolerant Plant Growth-Promoting Rhizobacteria From <i>Oryza sativa</i> and Evaluation of Their Plant Growth-Promoting Traits Under Salinity Stress Condition. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	18
23	Zinc intake during pregnancy increases the proliferation at ventricular zone of the newborn brain. <i>Nutritional Neuroscience</i> , 2009, 12, 9-12.	1.5	16
24	Carica papaya induces in vitro thrombopoietic cytokines secretion by mesenchymal stem cells and haematopoietic cells. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 215.	3.7	16
25	Arsenic Induction of Metallothionein and Metallothionein Induction Against Arsenic Cytotoxicity. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 240, 151-168.	0.7	15
26	Zinc and Metallothionein in the Development and Progression of Dental Caries. <i>Biological Trace Element Research</i> , 2019, 187, 51-58.	1.9	15
27	Filamin A-interacting protein (FILIP) is a region-specific modulator of myosin 2b and controls spine morphology and NMDA receptor accumulation. <i>Scientific Reports</i> , 2014, 4, 6353.	1.6	12
28	Differential quantitative zinc-induced expression of human metallothionein isogenes in haematopoietic precursor cell lines. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 124-131.	1.5	11
29	Tamarind Seed Extract Enhances Epidermal Wound Healing. <i>International Journal of Biology</i> , 2011, 4, .	0.1	11
30	Dysregulation of metallothionein and zinc aggravates periodontal diseases. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 66, 126754.	1.5	11
31	Metallothionein Biosynthesis in Human RBC Precursors. <i>Cellular Physiology and Biochemistry</i> , 2000, 10, 237-242.	1.1	10
32	Metallothionein isogene transcription in red blood cell precursors from human cord blood. <i>FEBS Journal</i> , 2001, 268, 849-856.	0.2	10
33	Autologous serum supplement favours in vitro regenerative paracrine factors synthesis. <i>Cell Proliferation</i> , 2017, 50, .	2.4	9
34	Impact of non-surgical periodontal therapy on serum Resistin and periodontal pathogen in periodontitis patients with obesity. <i>BMC Oral Health</i> , 2020, 20, 52.	0.8	9
35	Localisation of citrullinated and carbamylated proteins in inflamed gingival tissues from rheumatoid arthritis patients. <i>Clinical Oral Investigations</i> , 2021, 25, 1441-1450.	1.4	9
36	Possible Benefits of Zinc supplement in CVD and COVID-19 Comorbidity. <i>Journal of Infection and Public Health</i> , 2021, 14, 1686-1692.	1.9	9

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37	Metallothionein in human thrombocyte precursors, CD61+ megakaryocytes. <i>Cell Biology and Toxicology</i> , 2008, 24, 19-25.	2.4	8
38	Critical limits for the control points for halal poultry slaughter. <i>Poultry Science</i> , 2017, 96, 1970-1981.	1.5	6
39	Novel PCR primers to diagnose visceral leishmaniasis using peripheral blood, spleen or bone marrow aspirates. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 753-759.	0.4	6
40	Contribution based author categorization to calculate author performance index. <i>Accountability in Research</i> , 2021, 28, 492-516.	1.6	6
41	Antibodies against citrullinated proteins in relation to periodontitis with or without rheumatoid arthritis: a cross-sectional study. <i>BMC Oral Health</i> , 2021, 21, 360.	0.8	5
42	Papaya ( <i>Carica papaya</i> L., Pawpaw). , 2019, , 335-359.		4
43	Influence of Support Group Intervention on Quality of Life of Malaysian Breast Cancer Survivors. <i>Asia-Pacific Journal of Public Health</i> , 2015, 27, NP495-NP505.	0.4	3
44	Zinc Content in Cord Blood Is Associated with Maternal Age and Parity. <i>Biological Trace Element Research</i> , 2017, 175, 17-26.	1.9	3
45	Effects of Different Methods of Slaughtering on Protein Expression in Chicken Meat. <i>IIUM Engineering Journal</i> , 2012, 13, .	0.5	3
46	Is there an optimal initial amount of activation for midpalatal suture expansion?. <i>Journal of Orofacial Orthopedics</i> , 2018, 79, 169-179.	0.5	2
47	Effect of Piezoelectric Sutural Osteotomies on Accelerated Bone-Borne Sutural Expansion. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 616-630.	0.5	2
48	Biomechanical Effects of Unidirectional Expansion Using Anisotropic Expanders in Horse Skin Tissue. <i>Journal of Equine Veterinary Science</i> , 2021, 99, 103399.	0.4	2
49	Islamic Guidelines for Healthful Living. <i>The Journal of IMA</i> , 2007, 39, .	0.1	2
50	Health and healing in Islam: links and gaps with (post)modern practices. <i>Bangladesh Journal of Medical Science</i> , 2015, 14, 119-129.	0.1	1
51	Inflammatory Responses in Oro-Maxillofacial Region Expanded Using Anisotropic Hydrogel Tissue Expander. <i>Materials</i> , 2020, 13, 4436.	1.3	1
52	Therapeutic Interventions: an Islamic Perspective. <i>The Journal of IMA</i> , 2008, 40, .	0.1	1
53	Dietary Zinc and the Brain. , 2011, , 2357-2373.		1
54	Addition of Selenium to &lt;i>Carica papaya</i> Linn Pulp Extract Enhances Dermal Wound Healing Activity. <i>Tropical Journal of Pharmaceutical Research</i> , 2013, 12, .	0.2	0

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55	Influence of Immunology Knowledge on Healthcare and Healthy Lifestyle. PLoS ONE, 2016, 11, e0159767.	1.1	0
56	Bone-borne accelerated sutural expansion: A microcomputed tomography study in rabbits. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 154, 260-269.	0.8	0
57	Water uptake and transport studies in PVP-PMMA hydrogels. Materials Today: Proceedings, 2019, 17, 430-441.	0.9	0
58	Time-based changes in authorship trend in research-intensive universities in Malaysia. Accountability in Research, 2024, 31, 56-71.	1.6	0