

# Imran A Rahman

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,359  
citations

361296

20  
h-index

395590

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1214  
citing authors

#	ARTICLE	IF	CITATIONS
1	A virtual world of paleontology. <i>Trends in Ecology and Evolution</i> , 2014, 29, 347-357.	4.2	205
2	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170194.	1.2	103
3	VIRTUAL PALEONTOLOGY“AN OVERVIEW. <i>The Paleontological Society Papers</i> , 2016, 22, 1-20.	0.8	62
4	Lack of support for Deuterostomia prompts reinterpretation of the first Bilateria. <i>Science Advances</i> , 2021, 7, .	4.7	60
5	Plated Cambrian Bilaterians Reveal the Earliest Stages of Echinoderm Evolution. <i>PLoS ONE</i> , 2012, 7, e38296.	1.1	57
6	Suspension feeding in the enigmatic Ediacaran organism <i>Tribrachidium</i> demonstrates complexity of Neoproterozoic ecosystems. <i>Science Advances</i> , 2015, 1, e1500800.	4.7	53
7	Deciphering the early evolution of echinoderms with Cambrian fossils. <i>Palaeontology</i> , 2014, 57, 1105-1119.	1.0	50
8	Virtual Fossils: a New Resource for Science Communication in Paleontology. <i>Evolution: Education and Outreach</i> , 2012, 5, 635-641.	0.3	40
9	Bioturbation in Burgess Shale-type Lagerstätten – Case study of trace fossil–body fossil association from the Kaili Biota (Cambrian Series 3), Guizhou, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 292, 245-256.	1.0	39
10	Computational fluid dynamics as a tool for testing functional and ecological hypotheses in fossil taxa. <i>Palaeontology</i> , 2017, 60, 451-459.	1.0	39
11	Effects of body plan evolution on the hydrodynamic drag and energy requirements of swimming in ichthyosaurs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182786.	1.2	35
12	The oldest cinctan carpoid (stem-group Echinodermata), and the evolution of the water vascular system. <i>Zoological Journal of the Linnean Society</i> , 2009, 157, 420-432.	1.0	32
13	Experimental reduction of intromittent organ length reduces male reproductive success in a bug. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150724.	1.2	31
14	Gregarious suspension feeding in a modular Ediacaran organism. <i>Science Advances</i> , 2019, 5, eaaw0260.	4.7	31
15	Evolution and Development at the Origin of a Phylum. <i>Current Biology</i> , 2020, 30, 1672-1679.e3.	1.8	28
16	The locomotion of extinct secondarily aquatic tetrapods. <i>Biological Reviews</i> , 2022, 97, 67-98.	4.7	25
17	Inference of facultative mobility in the enigmatic Ediacaran organism <i>Parvancorina</i> . <i>Biology Letters</i> , 2017, 13, 20170033.	1.0	24
18	Cambrian cinctan echinoderms shed light on feeding in the ancestral deuterostome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151964.	1.2	23

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19	Re-evaluating the palaeobiology and affinities of the Ctenocystoidea (Echinodermata). <i>Journal of Systematic Palaeontology</i> , 2009, 7, 413-426.	0.6	22
20	APPLICATIONS OF THREE-DIMENSIONAL BOX MODELING TO PALEONTOLOGICAL FUNCTIONAL ANALYSIS. <i>The Paleontological Society Papers</i> , 2016, 22, 119-132.	0.8	22
21	The Cambrian Substrate Revolution and the early evolution of attachment in suspension-feeding echinoderms. <i>Earth-Science Reviews</i> , 2017, 171, 478-491.	4.0	22
22	A new ophiocystioid with soft-tissue preservation from the Silurian Herefordshire Lagerstätte, and the evolution of the holothurian body plan. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182792.	1.2	19
23	Whole-body photoreceptor networks are independent of "lenses"™ in brittle stars. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172590.	1.2	18
24	Palaeogeographic implications of a new iocrinid crinoid ( <i>Disparida</i> ) from the Ordovician (Darrivillan) of Morocco. <i>PeerJ</i> , 2015, 3, e1450.	0.9	18
25	From clergymen to computers—the advent of virtual palaeontology. <i>Geology Today</i> , 2010, 26, 96-100.	0.3	17
26	Miocene Clypeaster from Valencia (E Spain): Insights into the taphonomy and ichnology of bioeroded echinoids using X-ray micro-tomography. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 438, 168-179.	1.0	17
27	ICHOLOGICAL INSIGHTS INTO MITRATE PALAEOBIOLOGY. <i>Palaeontology</i> , 2009, 52, 127-138.	1.0	16
28	Virtual paleontology: computer-aided analysis of fossil form and function. <i>Journal of Paleontology</i> , 2014, 88, 633-635.	0.5	16
29	Ancient life and moving fluids. <i>Biological Reviews</i> , 2021, 96, 129-152.	4.7	16
30	Modelling enrolment in Cambrian trilobites. <i>Palaeontology</i> , 2017, 60, 423-432.	1.0	15
31	Pentaradial eukaryote suggests expansion of suspension feeding in White Sea-aged Ediacaran communities. <i>Scientific Reports</i> , 2021, 11, 4121.	1.6	15
32	The oldest stylophoran echinoderm: a new <i>Ceratocystis</i> from the Middle Cambrian of Germany. <i>Palaeontologische Zeitschrift</i> , 2010, 84, 227-237.	0.8	13
33	Taphonomy and ontogeny of early pelmatozoan echinoderms: A case study of a mass-mortality assemblage of <i>Gogia</i> from the Cambrian of North America. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 377, 62-72.	1.0	13
34	Exploring the potential of neutron imaging for life sciences on IMAT. <i>Journal of Microscopy</i> , 2018, 272, 242-247.	0.8	13
35	Computational Fluid Dynamics Suggests Ecological Diversification among Stem-Gnathostomes. <i>Current Biology</i> , 2020, 30, 4808-4813.e3.	1.8	13
36	Potential evolutionary trade-off between feeding and stability in Cambrian cinctan echinoderms. <i>Palaeontology</i> , 2020, 63, 689-701.	1.0	13

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37	An edrioasteroid from the Silurian Herefordshire Lagerstätte of England reveals the nature of the water vascular system in an extinct echinoderm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171189.	1.2	12
38	The ontogeny of cinctans (stem-group Echinodermata) as revealed by a new genus, <i>GraciaCystis</i> , from the middle Cambrian of Spain. <i>Palaeontology</i> , 2013, 56, 399-410.	1.0	10
39	Correlative tomography of an exceptionally preserved Jurassic ammonite implies hyponome-propelled swimming. <i>Geology</i> , 2022, 50, 397-401.	2.0	10
40	Re-evaluating the phylogenetic position of the enigmatic early Cambrian deuterostome <i>Yanjiahella</i> . <i>Nature Communications</i> , 2020, 11, 1286.	5.8	9
41	Vertically migrating <i>Isoxys</i> and the early Cambrian biological pump. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210464.	1.2	9
42	Evaluating phylogenetic hypotheses of carpoids using stratigraphic congruence indices. <i>Lethaia</i> , 2009, 42, 424-437.	0.6	8
43	Early post-metamorphic, Carboniferous blastoid reveals the evolution and development of the digestive system in echinoderms. <i>Biology Letters</i> , 2015, 11, .	1.0	8
44	Functional assessment of morphological homoplasy in stem-gnathostomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202719.	1.2	8
45	Computational fluid dynamics confirms drag reduction associated with trilobite queuing behaviour. <i>Palaeontology</i> , 2021, 64, 597-608.	1.0	8
46	<i>Dehmicystis globulus</i> , an enigmatic solute (Echinodermata) from the Lower Devonian Hunsrück Slate, Germany. <i>Palaontologische Zeitschrift</i> , 2012, 86, 59-70.	0.8	5
47	Making sense of carpoids. <i>Geology Today</i> , 2009, 25, 34-38.	0.3	4
48	Towards a Better Understanding of the Origins of Microlens Arrays in Mesozoic Ophiuroids and Asteroids. <i>Evolutionary Biology</i> , 2017, 44, 339-346.	0.5	4
49	Tiny fossils in the animal family tree. <i>Nature</i> , 2017, 542, 170-171.	13.7	3
50	The life and times of <i>Pteridinium simplex</i> . <i>Paleobiology</i> , 2022, 48, 527-556.	1.3	3
51	Cambrian edrioasteroid reveals new mechanism for secondary reduction of the skeleton in echinoderms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212733.	1.2	2
52	Heterochrony and parallel evolution of echinoderm, hemichordate and cephalochordate internal bars. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220258.	1.2	2
53	The youngest ctenocystoids from the Upper Ordovician of the United Kingdom and the evolution of the bilateral body plan in echinoderms. <i>Acta Palaeontologica Polonica</i> , 0, , .	0.4	1
54	Progress in echinoderm paleobiology. <i>Journal of Paleontology</i> , 2017, 91, 579-581.	0.5	0

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55	A Silurian ophiuroid with soft-tissue preservation. <i>Papers in Palaeontology</i> , 2021, 7, 2041.	0.7	0