

# Ramray Bhat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/532786/publications.pdf>

Version: 2024-02-01

40  
papers

1,199  
citations

586496

16  
h-index

445137

33  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular matrix as a driver for intratumoral heterogeneity. <i>Physical Biology</i> , 2022, 19, 043001.	0.8	5
2	Galectin-9 Signaling Drives Breast Cancer Invasion through Extracellular Matrix. <i>ACS Chemical Biology</i> , 2022, 17, 1376-1386.	1.6	10
3	Heterogeneity in 2,6-Linked Sialic Acids Potentiates Invasion of Breast Cancer Epithelia. <i>ACS Central Science</i> , 2021, 7, 110-125.	5.3	22
4	A biphasic response of polymerized Type 1 collagen architectures to dermatan sulfate. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1646-1656.	2.1	1
5	An interplay of resource availability, population size and mutation rate potentiates the evolution of metabolic signaling. <i>Bmc Ecology and Evolution</i> , 2021, 21, 52.	0.7	1
6	Vortex chip incorporating an orthogonal turn for size-based isolation of circulating cells. <i>Analytica Chimica Acta</i> , 2021, 1159, 338423.	2.6	3
7	Theragnostic nanomotors: Successes and upcoming challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1736.	3.3	12
8	N-terminal tail prolines of Gal-3 mediate its oligomerization/phase separation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2107023118.	3.3	2
9	Extracellular matrix mediates moruloid-blastuloid morphodynamics in malignant ovarian spheroids. <i>Life Science Alliance</i> , 2021, 4, e202000942.	1.3	14
10	Spatial waves and temporal oscillations in vertebrate limb development. <i>BioSystems</i> , 2021, 208, 104502.	0.9	5
11	Nanomotors Sense Local Physicochemical Heterogeneities in Tumor Microenvironments**. <i>Angewandte Chemie</i> , 2020, 132, 23898-23904.	1.6	3
12	Nanomotors Sense Local Physicochemical Heterogeneities in Tumor Microenvironments**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23690-23696.	7.2	37
13	Multiscale modeling of vertebrate limb development. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1485.	6.6	9
14	Mutually exclusive locales for N-linked glycans and disorder in human glycoproteins. <i>Scientific Reports</i> , 2020, 10, 6040.	1.6	9
15	Proteoglycan desulfation a critical step in oncogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 760-780.	3.0	0
16	An Interplay Between Reaction-Diffusion and Cell-Matrix Adhesion Regulates Multiscale Invasion in Early Breast Carcinomatosis. <i>Frontiers in Physiology</i> , 2019, 10, 790.	1.3	27
17	Iduronate-2-Sulfatase-Regulated Dermatan Sulfate Levels Potentiate the Invasion of Breast Cancer Epithelia through Collagen Matrix. <i>Journal of Clinical Medicine</i> , 2019, 8, 1562.	1.0	10
18	Follicle-Stimulating Hormone Is an Autocrine Regulator of the Ovarian Cancer Metastatic Niche Through Notch Signaling. <i>Journal of the Endocrine Society</i> , 2019, 3, 340-357.	0.1	9

#	ARTICLE	IF	CITATIONS
19	Circulating Tumor Cell cluster phenotype allows monitoring response to treatment and predicts survival. <i>Scientific Reports</i> , 2019, 9, 7933.	1.6	49
20	Does resource availability help determine the evolutionary route to multicellularity?. <i>Evolution &amp; Development</i> , 2019, 21, 115-119.	1.1	12
21	Synchronization of Hes1 oscillations coordinates and refines condensation formation and patterning of the avian limb skeleton. <i>Mechanisms of Development</i> , 2019, 156, 41-54.	1.7	19
22	Maneuverability of Magnetic Nanomotors Inside Living Cells. <i>Advanced Materials</i> , 2018, 30, e1800429.	11.1	126
23	The vertebrate limb: An evolving complex of self-organizing systems. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 137, 12-24.	1.4	25
24	Complexity: the organizing principle at the interface of biological (dis)order. <i>Journal of Genetics</i> , 2017, 96, 431-444.	0.4	20
25	The evolutionary origin of digit patterning. <i>EvoDevo</i> , 2017, 8, 21.	1.3	20
26	Deep phylogenomics of a tandem-repeat galectin regulating appendicular skeletal pattern formation. <i>BMC Evolutionary Biology</i> , 2016, 16, 162.	3.2	17
27	Nuclear repartitioning of galectin-1 by an extracellular glycan switch regulates mammary morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4820-7.	3.3	63
28	Reversible Aptamer-Au Plasmon Rulers for Secreted Single Molecules. <i>Nano Letters</i> , 2015, 15, 4564-4570.	4.5	91
29	Mammary Branching Morphogenesis Requires Reciprocal Signaling by Heparanase and MMP-14. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1668-1679.	1.2	24
30	Structural Divergence in Vertebrate Phylogeny of a Duplicated Prototype Galectin. <i>Genome Biology and Evolution</i> , 2014, 6, 2721-2730.	1.1	7
31	Of plasticity and specificity: dialectics of the microenvironment and macroenvironment and the organ phenotype. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2014, 3, 147-163.	5.9	76
32	SnapShot: Branching Morphogenesis. <i>Cell</i> , 2014, 158, 1212-1212.e1.	13.5	23
33	A regulatory network of two galectins mediates the earliest steps of avian limb skeletal morphogenesis. <i>BMC Developmental Biology</i> , 2011, 11, 6.	2.1	57
34	Dynamical patterning modules: a "pattern language" for development and evolution of multicellular form. <i>International Journal of Developmental Biology</i> , 2009, 53, 693-705.	0.3	170
35	Snakes and ladders: the ups and downs of animal segmentation. <i>Journal of Biosciences</i> , 2009, 34, 163-166.	0.5	4
36	Cell state switching factors and dynamical patterning modules: complementary mediators of plasticity in development and evolution. <i>Journal of Biosciences</i> , 2009, 34, 553-572.	0.5	42

#	ARTICLE	IF	CITATIONS
37	Cell state switching factors and dynamical patterning modules: complementary mediators of plasticity in development and evolution. <i>Journal of Biosciences</i> , 2009, 34, 553.	0.5	1
38	Dynamical patterning modules: physico-genetic determinants of morphological development and evolution. <i>Physical Biology</i> , 2008, 5, 015008.	0.8	103
39	Activatorâ€inhibitor dynamics of vertebrate limb pattern formation. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2007, 81, 305-319.	3.6	67
40	Interactive Dynamics of Reaction-Diffusion and Adhesion Predict Diverse Invasion Strategies of Cancer Cells in Matrix-Like Microenvironments. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0