

Mohit Kumar Jolly

List of Publications by Year in descending order

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Version: 2024-02-01

206
papers

10,664
citations

34105
52
h-index

51608
86
g-index

301
all docs

301
docs citations

301
times ranked

9670
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of the Hybrid Epithelial/Mesenchymal Phenotype in Metastasis. <i>Frontiers in Oncology</i> , 2015, 5, 155.	2.8	581
2	MicroRNA-based regulation of epithelialâ€“hybridâ€“mesenchymal fate determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18144-18149.	7.1	442
3	Tumor Budding: The Name is EMT. Partial EMT.. <i>Journal of Clinical Medicine</i> , 2016, 5, 51.	2.4	369
4	Stability of the hybrid epithelial/mesenchymal phenotype. <i>Oncotarget</i> , 2016, 7, 27067-27084.	1.8	367
5	<i>Pseudomonas aeruginosa</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8671.	4.1	322
6	<scp>EMT</scp> and <scp>MET</scp>: necessary or permissive for metastasis?. <i>Molecular Oncology</i> , 2017, 11, 755-769.	4.6	319
7	Hybrid epithelial/mesenchymal phenotypes promote metastasis and therapy resistance across carcinomas. , 2019, 194, 161-184.		244
8	Toward understanding cancer stem cell heterogeneity in the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 148-157.	7.1	238
9	Survival Outcomes in Cancer Patients Predicted by a Partial EMT Gene Expression Scoring Metric. <i>Cancer Research</i> , 2017, 77, 6415-6428.	0.9	206
10	Plastic pollution solutions: emerging technologies to prevent and collect marine plastic pollution. <i>Environment International</i> , 2020, 144, 106067.	10.0	200
11	Epithelialâ€“mesenchymal transition, a spectrum of states: Role in lung development, homeostasis, and disease. <i>Developmental Dynamics</i> , 2018, 247, 346-358.	1.8	190
12	Immunoproteasome deficiency is a feature of non-small cell lung cancer with a mesenchymal phenotype and is associated with a poor outcome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1555-64.	7.1	174
13	Acute vs. Chronic vs. Cyclic Hypoxia: Their Differential Dynamics, Molecular Mechanisms, and Effects on Tumor Progression. <i>Biomolecules</i> , 2019, 9, 339.	4.0	157
14	Coupling the modules of EMT and stemness: A tunable â€˜stemness windowâ€™™ model. <i>Oncotarget</i> , 2015, 6, 25161-25174.	1.8	157
15	Towards elucidating the connection between epithelialâ€“mesenchymal transitions and stemness. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140962.	3.4	156
16	Identification of EMT signaling cross-talk and gene regulatory networks by single-cell RNA sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	134
17	Notch-Jagged signalling can give rise to clusters of cells exhibiting a hybrid epithelial/mesenchymal phenotype. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20151106.	3.4	130
18	Jaggedâ€“Delta asymmetry in Notch signaling can give rise to a Sender/Receiver hybrid phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E402-9.	7.1	127

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19	Hypoxia, partial EMT and collective migration: Emerging culprits in metastasis. <i>Translational Oncology</i> , 2020, 13, 100845.	3.7	125
20	Phenotypic Plasticity, Bet-Hedging, and Androgen Independence in Prostate Cancer: Role of Non-Genetic Heterogeneity. <i>Frontiers in Oncology</i> , 2018, 8, 50.	2.8	122
21	Hybrid epithelial/mesenchymal phenotype(s): The “fittest” for metastasis?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 151-157.	7.4	122
22	OVOL guides the epithelial-hybrid-mesenchymal transition. <i>Oncotarget</i> , 2015, 6, 15436-15448.	1.8	121
23	Inflammatory breast cancer: a model for investigating cluster-based dissemination. <i>Npj Breast Cancer</i> , 2017, 3, 21.	5.2	117
24	ZEB1: A Critical Regulator of Cell Plasticity, DNA Damage Response, and Therapy Resistance. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 36.	3.5	112
25	Dynamics of Phenotypic Heterogeneity Associated with EMT and Stemness during Cancer Progression. <i>Journal of Clinical Medicine</i> , 2019, 8, 1542.	2.4	109
26	Jagged mediates differences in normal and tumor angiogenesis by affecting tip-stalk fate decision. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3836-44.	7.1	107
27	Cancer Stem Cell Plasticity “A Deadly Deal. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 79.	3.5	106
28	NRF2 activates a partial epithelial-mesenchymal transition and is maximally present in a hybrid epithelial/mesenchymal phenotype. <i>Integrative Biology (United Kingdom)</i> , 2019, 11, 251-263.	1.3	102
29	Tristability in Cancer-Associated MicroRNA-TF Chimera Toggle Switch. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13164-13174.	2.6	99
30	Cancer Stem Cells and Epithelial-to-Mesenchymal Transition in Cancer Metastasis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a036905.	6.2	98
31	Spleen Tyrosine Kinase“Mediated Autophagy Is Required for Epithelial“Mesenchymal Plasticity and Metastasis in Breast Cancer. <i>Cancer Research</i> , 2019, 79, 1831-1843.	0.9	95
32	Single-Cell RNA-seq Identifies Cell Subsets in Human Placenta That Highly Expresses Factors Driving Pathogenesis of SARS-CoV-2. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 783.	3.7	92
33	The GRHL2/ZEB Feedback Loop-A Key Axis in the Regulation of EMT in Breast Cancer. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2559-2570.	2.6	90
34	The three-way switch operation of Rac1/RhoA GTPase-based circuit controlling amoeboid-hybrid-mesenchymal transition. <i>Scientific Reports</i> , 2014, 4, 6449.	3.3	88
35	Mesenchymal-Epithelial Transition in Sarcomas Is Controlled by the Combinatorial Expression of MicroRNA 200s and GRHL2. <i>Molecular and Cellular Biology</i> , 2016, 36, 2503-2513.	2.3	88
36	The Physics of Cellular Decision Making During Epithelial“Mesenchymal Transition. <i>Annual Review of Biophysics</i> , 2020, 49, 1-18.	10.0	87

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37	Comparative Study of Transcriptomics-Based Scoring Metrics for the Epithelial-Hybrid-Mesenchymal Spectrum. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 220.	4.1	87
38	MCAM Mediates Chemoresistance in Small-Cell Lung Cancer via the PI3K/AKT/SOX2 Signaling Pathway. <i>Cancer Research</i> , 2017, 77, 4414-4425.	0.9	85
39	A possible role for epigenetic feedback regulation in the dynamics of the epithelialâ€mesenchymal transition (EMT). <i>Physical Biology</i> , 2019, 16, 066004.	1.8	81
40	Cellular Migration and Invasion Uncoupled: Increased Migration Is Not an Inexorable Consequence of Epithelial-to-Mesenchymal Transition. <i>Molecular and Cellular Biology</i> , 2014, 34, 3486-3499.	2.3	80
41	Identifying inhibitors of epithelialâ€mesenchymal plasticity using a network topology-based approach. <i>Npj Systems Biology and Applications</i> , 2020, 6, 15.	3.0	80
42	Decoding leader cells in collective cancer invasion. <i>Nature Reviews Cancer</i> , 2021, 21, 592-604.	28.4	80
43	A mechanism for epithelial-mesenchymal heterogeneity in a population of cancer cells. <i>PLoS Computational Biology</i> , 2020, 16, e1007619.	3.2	80
44	Phosphorylation-induced conformational dynamics in an intrinsically disordered protein and potential role in phenotypic heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2644-E2653.	7.1	72
45	Interconnected feedback loops among ESRP1, HAS2, and CD44 regulate epithelial-mesenchymal plasticity in cancer. <i>APL Bioengineering</i> , 2018, 2, 031908.	6.2	71
46	Phenotypic Plasticity and Cell Fate Decisions in Cancer: Insights from Dynamical Systems Theory. <i>Cancers</i> , 2017, 9, 70.	3.7	70
47	Distinguishing mechanisms underlying EMT tristability. <i>Cancer Convergence</i> , 2017, 1, 2.	8.0	69
48	Understanding the Principles of Pattern Formation Driven by Notch Signaling by Integrating Experiments and Theoretical Models. <i>Frontiers in Physiology</i> , 2020, 11, 929.	2.8	68
49	Phenotypic plasticity in prostate cancer: role of intrinsically disordered proteins. <i>Asian Journal of Andrology</i> , 2016, 18, 704.	1.6	68
50	A mechanism-based computational model to capture the interconnections among epithelial-mesenchymal transition, cancer stem cells and Notch-Jagged signaling. <i>Oncotarget</i> , 2018, 9, 29906-29920.	1.8	67
51	Epithelial/mesenchymal plasticity: how have quantitative mathematical models helped improve our understanding?. <i>Molecular Oncology</i> , 2017, 11, 739-754.	4.6	64
52	Quantifying Cancer Epithelial-Mesenchymal Plasticity and its Association with Stemness and Immune Response. <i>Journal of Clinical Medicine</i> , 2019, 8, 725.	2.4	63
53	Towards decoding the coupled decision-making of metabolism and epithelial-to-mesenchymal transition in cancer. <i>British Journal of Cancer</i> , 2021, 124, 1902-1911.	6.4	63
54	Chronic Obstructive Pulmonary Disease and Lung Cancer: Underlying Pathophysiology and New Therapeutic Modalities. <i>Drugs</i> , 2018, 78, 1717-1740.	10.9	62

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55	Differential Contributions of Pre- and Post-EMT Tumor Cells in Breast Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 163-169.	0.9	62
56	The role of epithelial plasticity in prostate cancer dissemination and treatment resistance. <i>Cancer and Metastasis Reviews</i> , 2014, 33, 441-468.	5.9	59
57	Modeling the Transitions between Collective and Solitary Migration Phenotypes in Cancer Metastasis. <i>Scientific Reports</i> , 2015, 5, 17379.	3.3	59
58	Whole Genomic Copy Number Alterations in Circulating Tumor Cells from Men with Abiraterone or Enzalutamide-Resistant Metastatic Castration-Resistant Prostate Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 1346-1357.	7.0	58
59	Computational Modeling of the Crosstalk Between Macrophage Polarization and Tumor Cell Plasticity in the Tumor Microenvironment. <i>Frontiers in Oncology</i> , 2019, 9, 10.	2.8	55
60	Operating principles of Notch-“Delta”-Jagged module of cell-cell communication. <i>New Journal of Physics</i> , 2015, 17, 055021.	2.9	53
61	Immunosuppressive Traits of the Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Immunology</i> , 2021, 12, 797261.	4.8	52
62	Toward Decoding the Principles of Cancer Metastasis Circuits. <i>Cancer Research</i> , 2014, 74, 4574-4587.	0.9	51
63	Operating principles of tristable circuits regulating cellular differentiation. <i>Physical Biology</i> , 2017, 14, 035007.	1.8	49
64	Pericytes enable effective angiogenesis in the presence of proinflammatory signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23551-23561.	7.1	49
65	Intrinsically Disordered Proteins: Critical Components of the Wetware. <i>Chemical Reviews</i> , 2022, 122, 6614-6633.	47.7	48
66	Stability and mean residence times for hybrid epithelial/mesenchymal phenotype. <i>Physical Biology</i> , 2019, 16, 025003.	1.8	46
67	XIAP Regulation by MNK Links MAPK and NF- κ B Signaling to Determine an Aggressive Breast Cancer Phenotype. <i>Cancer Research</i> , 2018, 78, 1726-1738.	0.9	45
68	A mechanistic model captures the emergence and implications of non-genetic heterogeneity and reversible drug resistance in ER+ breast cancer cells. <i>NAR Cancer</i> , 2021, 3, zcab027.	3.1	45
69	Snail promotes resistance to enzalutamide through regulation of androgen receptor activity in prostate cancer. <i>Oncotarget</i> , 2016, 7, 50507-50521.	1.8	44
70	Molecular Biology and Evolution of Cancer: From Discovery to Action. <i>Molecular Biology and Evolution</i> , 2020, 37, 320-326.	8.9	43
71	Limb salvage versus amputation in patients with osteosarcoma of the extremities: an update in the modern era using the National Cancer Database. <i>BMC Cancer</i> , 2020, 20, 995.	2.6	43
72	Integrative Analysis and Machine Learning Based Characterization of Single Circulating Tumor Cells. <i>Journal of Clinical Medicine</i> , 2020, 9, 1206.	2.4	42

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73	Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer. <i>ELife</i> , 2021, 10, .	6.0	42
74	A Biophysical Model Uncovers the Size Distribution of Migrating Cell Clusters across Cancer Types. <i>Cancer Research</i> , 2019, 79, 5527-5535.	0.9	40
75	PAGE4 and Conformational Switching: Insights from Molecular Dynamics Simulations and Implications for Prostate Cancer. <i>Journal of Molecular Biology</i> , 2018, 430, 2422-2438.	4.2	36
76	A CTC-Cluster-Specific Signature Derived from OMICS Analysis of Patient-Derived Xenograft Tumors Predicts Outcomes in Basal-Like Breast Cancer. <i>Journal of Clinical Medicine</i> , 2019, 8, 1772.	2.4	36
77	A Computational Systems Biology Approach Identifies SLUG as a Mediator of Partial Epithelial-Mesenchymal Transition (EMT). <i>Cells Tissues Organs</i> , 2022, 211, 689-702.	2.3	36
78	E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. <i>Molecular Cancer Research</i> , 2019, 17, 1391-1402.	3.4	35
79	Testing the gene expression classification of the EMT spectrum. <i>Physical Biology</i> , 2019, 16, 025002.	1.8	35
80	Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelialâ€“Mesenchymal Plasticity. <i>Cancers</i> , 2021, 13, 2188.	3.7	35
81	Epithelial-to-Mesenchymal Transition Enhances Cancer Cell Sensitivity to Cytotoxic Effects of Cold Atmospheric Plasmas in Breast and Bladder Cancer Systems. <i>Cancers</i> , 2021, 13, 2889.	3.7	35
82	Multi-stability in cellular differentiation enabled by a network of three mutually repressing master regulators. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200631.	3.4	35
83	Calcium signaling induces a partial EMT. <i>EMBO Reports</i> , 2021, 22, e51872.	4.5	33
84	Epigenetic feedback and stochastic partitioning during cell division can drive resistance to EMT. <i>Oncotarget</i> , 2020, 11, 2611-2624.	1.8	33
85	Anticipating critical transitions in epithelialâ€“hybrid-mesenchymal cell-fate determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26343-26352.	7.1	32
86	Hybrid E/M Phenotype(s) and Stemness: A Mechanistic Connection Embedded in Network Topology. <i>Journal of Clinical Medicine</i> , 2021, 10, 60.	2.4	31
87	Computational systems biology of epithelial-hybrid-mesenchymal transitions. <i>Current Opinion in Systems Biology</i> , 2017, 3, 1-6.	2.6	30
88	A Theoretical Approach to Coupling the Epithelial-Mesenchymal Transition (EMT) to Extracellular Matrix (ECM) Stiffness via LOXL2. <i>Cancers</i> , 2021, 13, 1609.	3.7	29
89	Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma. <i>IScience</i> , 2021, 24, 103111.	4.1	29
90	Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. <i>Cells Tissues Organs</i> , 2022, 211, 110-133.	2.3	28

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91	Deciphering the Dynamics of Epithelial-Mesenchymal Transition and Cancer Stem Cells in Tumor Progression. <i>Current Stem Cell Reports</i> , 2019, 5, 11-21.	1.6	27
92	NFATc Acts as a Non-Canonical Phenotypic Stability Factor for a Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Oncology</i> , 2020, 10, 553342.	2.8	27
93	A Non-genetic Mechanism Involving the Integrin $\alpha 4$ /Paxillin Axis Contributes to Chemoresistance in Lung Cancer. <i>IScience</i> , 2020, 23, 101496.	4.1	27
94	Phenotypic Switching of Naïve T Cells to Immune-Suppressive Treg-Like Cells by Mutant KRAS. <i>Journal of Clinical Medicine</i> , 2019, 8, 1726.	2.4	26
95	Fluorescence-based alternative splicing reporters for the study of epithelial plasticity in vivo. <i>Rna</i> , 2013, 19, 116-127.	3.5	25
96	Phenotypic heterogeneity in circulating tumor cells and its prognostic value in metastasis and overall survival. <i>EBioMedicine</i> , 2019, 46, 4-5.	6.1	24
97	Expression of immune checkpoints on circulating tumor cells in men with metastatic prostate cancer. <i>Biomarker Research</i> , 2021, 9, 14.	6.8	24
98	The Hallmarks of Cancer as Ecologically Driven Phenotypes. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	24
99	Histone deacetylases, Mbd3/NuRD, and Tet2 hydroxylase are crucial regulators of epithelial-mesenchymal plasticity and tumor metastasis. <i>Oncogene</i> , 2020, 39, 1498-1513.	5.9	23
100	OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease, and Reprogramming. <i>Cells Tissues Organs</i> , 2022, 211, 183-192.	2.3	23
101	Nrf2 Modulates the Hybrid Epithelial/Mesenchymal Phenotype and Notch Signaling During Collective Cancer Migration. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 807324.	3.5	23
102	PhyloOncology: Understanding cancer through phylogenetic analysis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1867, 101-108.	7.4	22
103	Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	22
104	A polycyclic aromatic hydrocarbon-enriched environmental chemical mixture enhances AhR, antiapoptotic signaling and a proliferative phenotype in breast cancer cells. <i>Carcinogenesis</i> , 2020, 41, 1648-1659.	2.8	21
105	Group Behavior and Emergence of Cancer Drug Resistance. <i>Trends in Cancer</i> , 2021, 7, 323-334.	7.4	21
106	Carcinosarcomas: tumors in transition?. <i>Histology and Histopathology</i> , 2015, 30, 673-87.	0.7	21
107	KLF4 Induces Mesenchymal-Epithelial Transition (MET) by Suppressing Multiple EMT-Inducing Transcription Factors. <i>Cancers</i> , 2021, 13, 5135.	3.7	21
108	Quantifying the Patterns of Metabolic Plasticity and Heterogeneity along the Epithelial-Hybrid-Mesenchymal Spectrum in Cancer. <i>Biomolecules</i> , 2022, 12, 297.	4.0	21

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109	Functional balance between Tcf21 and Slug defines cellular plasticity and migratory modalities in high grade serous ovarian cancer cell lines. <i>Carcinogenesis</i> , 2020, 41, 515-526.	2.8	20
110	Improving Cancer Drug Discovery by Studying Cancer across the Tree of Life. <i>Molecular Biology and Evolution</i> , 2020, 37, 11-17.	8.9	20
111	Emergence of hybrid states of stem-like cancer cells correlates with poor prognosis in oral cancer. <i>IScience</i> , 2022, 25, 104317.	4.1	20
112	Structural and Dynamical Order of a Disordered Protein: Molecular Insights into Conformational Switching of PAGE4 at the Systems Level. <i>Biomolecules</i> , 2019, 9, 77.	4.0	19
113	Matrix adhesion and remodeling diversifies modes of cancer invasion across spatial scales. <i>Journal of Theoretical Biology</i> , 2021, 524, 110733.	1.7	19
114	Mathematical Modeling of Sub-Cellular Asymmetry of Fat-Dachsous Heterodimer for Generation of Planar Cell Polarity. <i>PLoS ONE</i> , 2014, 9, e97641.	2.5	18
115	From the Clinic to the Bench and Back Again in One Dog Year: How a Cross-Species Pipeline to Identify New Treatments for Sarcoma Illuminates the Path Forward in Precision Medicine. <i>Frontiers in Oncology</i> , 2020, 10, 117.	2.8	18
116	Emergent Properties of the HNF4 α -PPAR γ Network May Drive Consequent Phenotypic Plasticity in NAFLD. <i>Journal of Clinical Medicine</i> , 2020, 9, 870.	2.4	18
117	Analysis of immune subtypes across the epithelial-mesenchymal plasticity spectrum. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3842-3851.	4.1	18
118	An Integrative Systems Biology and Experimental Approach Identifies Convergence of Epithelial Plasticity, Metabolism, and Autophagy to Promote Chemoresistance. <i>Journal of Clinical Medicine</i> , 2019, 8, 205.	2.4	17
119	A Precision Medicine Drug Discovery Pipeline Identifies Combined CDK2 and 9 Inhibition as a Novel Therapeutic Strategy in Colorectal Cancer. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 2516-2527.	4.1	17
120	Twist1 induces chromosomal instability (CIN) in colorectal cancer cells. <i>Human Molecular Genetics</i> , 2020, 29, 1673-1688.	2.9	16
121	Analysis of Hierarchical Organization in Gene Expression Networks Reveals Underlying Principles of Collective Tumor Cell Dissemination and Metastatic Aggressiveness of Inflammatory Breast Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 244.	2.8	15
122	CTCF Expression and Dynamic Motif Accessibility Modulates Epithelial to Mesenchymal Gene Expression. <i>Cancers</i> , 2022, 14, 209.	3.7	15
123	Intrinsically disordered proteins: Ensembles at the limits of Anfinsen's dogma. <i>Biophysics Reviews</i> , 2022, 3, .	2.7	15
124	Pharmacodynamic study of radium-223 in men with bone metastatic castration resistant prostate cancer. <i>PLoS ONE</i> , 2019, 14, e0216934.	2.5	14
125	Immune dysregulation and osteosarcoma: Staphylococcus aureus downregulates TGF β 2 and heightens the inflammatory signature in human and canine macrophages suppressed by osteosarcoma. <i>Veterinary and Comparative Oncology</i> , 2020, 18, 64-75.	1.8	14
126	Development of a precision medicine pipeline to identify personalized treatments for colorectal cancer. <i>BMC Cancer</i> , 2020, 20, 592.	2.6	14

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127	Interconnected high-dimensional landscapes of epithelialâ€mesenchymal plasticity and stemness in cancer. <i>Clinical and Experimental Metastasis</i> , 2022, 39, 279-290.	3.3	14
128	Decoding molecular interplay between RUNX1 and FOXO3a underlying the pulsatile IGF1R expression during acquirement of chemoresistance. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165754.	3.8	13
129	Investigating epithelialâ€mesenchymal heterogeneity of tumors and circulating tumor cells with transcriptomic analysis and biophysical modeling. <i>Computational and Systems Oncology</i> , 2021, 1, e1015.	1.5	13
130	Gene expression profiles of inflammatory breast cancer reveal high heterogeneity across the epithelial-hybrid-mesenchymal spectrum. <i>Translational Oncology</i> , 2021, 14, 101026.	3.7	13
131	Tumor Hybrid Cells: Nature and Biological Significance. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 814714.	3.7	13
132	A phase 2 trial of avelumab in men with aggressive-variant or neuroendocrine prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 762-769.	3.9	13
133	Dynamic Phenotypic Switching and Group Behavior Help Non-Small Cell Lung Cancer Cells Evade Chemotherapy. <i>Biomolecules</i> , 2022, 12, 8.	4.0	13
134	Anticipating the Novel Coronavirus Disease (COVID-19) Pandemic. <i>Frontiers in Public Health</i> , 2020, 8, 569669.	2.7	12
135	Mathematical Modeling of Plasticity and Heterogeneity in EMT. <i>Methods in Molecular Biology</i> , 2021, 2179, 385-413.	0.9	12
136	Population Dynamics of Epithelial-Mesenchymal Heterogeneity in Cancer Cells. <i>Biomolecules</i> , 2022, 12, 348.	4.0	12
137	Emerging perspectives on growth factor metabolic relationships in the ovarian cancer ascites environment. <i>Seminars in Cancer Biology</i> , 2022, 86, 709-719.	9.6	12
138	Deciphering Hydrodynamic and Drug-Resistant Behaviors of Metastatic EMT Breast Cancer Cells Moving in a Constricted Microcapillary. <i>Journal of Clinical Medicine</i> , 2019, 8, 1194.	2.4	11
139	The Good, The Bad and The Ugly: A Mathematical Model Investigates the Differing Outcomes Among CoVID-19 Patients. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 673-681.	1.9	11
140	A Comparative Oncology Drug Discovery Pipeline to Identify and Validate New Treatments for Osteosarcoma. <i>Cancers</i> , 2020, 12, 3335.	3.7	11
141	Baby Genomics: Tracing the Evolutionary Changes That Gave Rise to Placentation. <i>Genome Biology and Evolution</i> , 2020, 12, 35-47.	2.5	11
142	The somatic molecular evolution of cancer: Mutation, selection, and epistasis. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 165, 56-65.	2.9	11
143	Transcriptomic-Based Quantification of the Epithelial-Hybrid-Mesenchymal Spectrum across Biological Contexts. <i>Biomolecules</i> , 2022, 12, 29.	4.0	11
144	Oncogenic gain of function due to p53 amyloids occurs through aberrant alteration of cell cycle and proliferation. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	11

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145	Prostate-Associated Gene 4 (PAGE4): Leveraging the Conformational Dynamics of a Dancing Protein Cloud as a Therapeutic Target. <i>Journal of Clinical Medicine</i> , 2018, 7, 156.	2.4	10
146	A reciprocal feedback loop between HIF-1 α and HPIP controls phenotypic plasticity in breast cancer cells. <i>Cancer Letters</i> , 2022, 526, 12-28.	7.2	10
147	Biophysical and biochemical attributes of hybrid epithelial/mesenchymal phenotypes. <i>Physical Biology</i> , 2022, 19, 025001.	1.8	10
148	Lineage Plasticity in Cancer: The Tale of a Skin-Walker. <i>Cancers</i> , 2021, 13, 3602.	3.7	9
149	Semicoordinated allelic-bursting shape dynamic random monoallelic expression in pregastrulation embryos. <i>IScience</i> , 2021, 24, 102954.	4.1	9
150	Protein conformational dynamics and phenotypic switching. <i>Biophysical Reviews</i> , 2021, 13, 1127-1138.	3.2	9
151	Changes in Triple-Negative Breast Cancer Molecular Subtypes in Patients Without Pathologic Complete Response After Neoadjuvant Systemic Chemotherapy. <i>JCO Precision Oncology</i> , 2022, 6, e2000368.	3.0	9
152	Single-cell analysis reveals X upregulation is not global in pre-gastrulation embryos. <i>IScience</i> , 2022, 25, 104465.	4.1	9
153	Small Cell Lung Cancer Therapeutic Responses Through Fractal Measurements: From Radiology to Mitochondrial Biology. <i>Journal of Clinical Medicine</i> , 2019, 8, 1038.	2.4	8
154	The DNA walk and its demonstration of deterministic chaosâ€™ relevance to genomic alterations in lung cancer. <i>Bioinformatics</i> , 2019, 35, 2738-2748.	4.1	8
155	Countries with high deaths due to flu and tuberculosis demonstrate lower COVID-19 mortality: roles of vaccinations. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2851-2862.	3.3	8
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