

Mohit Kumar Jolly

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

5,905
citations

44
h-index

72
g-index

301
ext. papers

8,844
ext. citations

5.9
avg, IF

6.58
L-index

#	Paper	IF	Citations
214	Biophysical and biochemical attributes of hybrid epithelial/mesenchymal phenotypes.. <i>Physical Biology</i> , 2022 ,	3	1
213	Interconnected high-dimensional landscapes of epithelial-mesenchymal plasticity and stemness in cancer.. <i>Clinical and Experimental Metastasis</i> , 2022 , 39, 279	4.7	1
212	CTCF Expression and Dynamic Motif Accessibility Modulates Epithelial-Mesenchymal Gene Expression.. <i>Cancers</i> , 2022 , 14,	6.6	5
211	Intrinsically Disordered Proteins: Critical Components of the Wetware.. <i>Chemical Reviews</i> , 2022 ,	68.1	4
210	Abstract P5-04-04: Identification of AR driven tumors within TNBC using a novel gene signature. <i>Cancer Research</i> , 2022 , 82, P5-04-04-P5-04-04	10.1	
209	Tumor Hybrid Cells: Nature and Biological Significance.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 814714	5.7	2
208	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	3.6	1
207	Emergent dynamics of a three-node regulatory network explain phenotypic switching and heterogeneity: a case study of Th1/Th2/Th17 cell differentiation.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE21100521	3.5	0
206	Intrinsically disordered proteins: Ensembles at the limits of Anfinsen's dogma. <i>Biophysics Reviews</i> , 2022 , 3, 011306	2.6	1
205	Nrf2 Modulates the Hybrid Epithelial/Mesenchymal Phenotype and Notch Signaling During Collective Cancer Migration.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 807324	5.6	2
204	Post-Austronesian migrational wave of West Polynesians to Micronesia.. <i>Gene</i> , 2022 , 823, 146357	3.8	
203	Lhx2 in germ cells suppresses endothelial cell migration in the developing ovary.. <i>Experimental Cell Research</i> , 2022 , 415, 113108	4.2	0
202	Identifying critical transitions in complex diseases. <i>Journal of Biosciences</i> , 2022 , 47,	2.3	0
201	Exome sequencing of hepatocellular carcinoma in lemurs identifies potential cancer drivers: A pilot study.. <i>Evolution, Medicine and Public Health</i> , 2022 , 10, 221-230	3	
200	Emergence of hybrid states of stem-like cancer cells correlates with poor prognosis in oral cancer. <i>iScience</i> , 2022 , 25, 104317	6.1	2
199	NRF2-dependent Epigenetic Regulation can Promote the Hybrid Epithelial/Mesenchymal Phenotype.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 828250	5.7	1
198	A Computational Systems Biology Approach Identifies SLUG as a Mediator of Partial Epithelial-Mesenchymal Transition (EMT). <i>Cells Tissues Organs</i> , 2021 , 1-14	2.1	19

197	A reciprocal feedback loop between HIF-1 α and HPIP controls phenotypic plasticity in breast cancer cells. <i>Cancer Letters</i> , 2021 , 526, 12-28	9.9	1
196	Protein conformational dynamics and phenotypic switching.. <i>Biophysical Reviews</i> , 2021 , 13, 1127-1138	3.7	0
195	Extent of tumor fibrosis/hyalinization and infarction following neoadjuvant radiation therapy is associated with improved survival in patients with soft-tissue sarcoma. <i>Cancer Medicine</i> , 2021 , 11, 194	4.8	1
194	An integrated comparative physiology and molecular approach pinpoints mediators of breath-hold capacity in dolphins.. <i>Evolution, Medicine and Public Health</i> , 2021 , 9, 420-430	3	0
193	ASO Author Reflections: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma. <i>Annals of Surgical Oncology</i> , 2021 , 29, 1409	3.1	
192	KLF4 Induces Mesenchymal-Epithelial Transition (MET) by Suppressing Multiple EMT-Inducing Transcription Factors. <i>Cancers</i> , 2021 , 13,	6.6	3
191	ASO Visual Abstract: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma: A National Cancer Database Study. <i>Annals of Surgical Oncology</i> , 2021 , 1	3.1	1
190	Manganese Porphyrin and Radiotherapy Improves Local Tumor Response and Overall Survival in Orthotopic Murine Mammary Carcinoma Models. <i>Radiation Research</i> , 2021 , 195, 128-139	3.1	2
189	Investigating epithelial-mesenchymal heterogeneity of tumors and circulating tumor cells with transcriptomic analysis and biophysical modeling. <i>Computational and Systems Oncology</i> , 2021 , 1, e1015	1	7
188	Identifying "more equal than others" edges in diverse biochemical networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
187	Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer. <i>ELife</i> , 2021 , 10,	8.9	11
186	A Theoretical Approach to Coupling the Epithelial-Mesenchymal Transition (EMT) to Extracellular Matrix (ECM) Stiffness via LOXL2. <i>Cancers</i> , 2021 , 13,	6.6	13
185	Gene expression profiles of inflammatory breast cancer reveal high heterogeneity across the epithelial-hybrid-mesenchymal spectrum. <i>Translational Oncology</i> , 2021 , 14, 101026	4.9	5
184	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	4.4	3
183	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	8.7	14
182	Group Behavior and Emergence of Cancer Drug Resistance. <i>Trends in Cancer</i> , 2021 , 7, 323-334	12.5	6
181	Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. <i>Cells Tissues Organs</i> , 2021 , 1-24	2.1	6
180	The Hallmarks of Cancer as Ecologically Driven Phenotypes. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	5

179	Identifying Modifiable and Non-modifiable Risk Factors of Readmission and Short-Term Mortality in Osteosarcoma: A National Cancer Database Study. <i>Annals of Surgical Oncology</i> , 2021 , 28, 7961-7972	3.1	2
178	ASO Visual Abstract: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Osteosarcoma-A National Cancer Database Study. <i>Annals of Surgical Oncology</i> , 2021 , 28, 449-450	3.1	1
177	Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelial-Mesenchymal Plasticity. <i>Cancers</i> , 2021 , 13,	6.6	8
176	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,	11.5	31
175	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,	6.6	9
174	Lineage Plasticity in Cancer: The Tale of a Skin-Walker. <i>Cancers</i> , 2021 , 13,	6.6	2
173	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	5.2	15
172	Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	6
171	Epigenetics of epithelial to mesenchymal transition (EMT) in cancer 2021 , 237-264		
170	Analysis of immune subtypes across the epithelial-mesenchymal plasticity spectrum. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 3842-3851	6.8	5
169	Expression of immune checkpoints on circulating tumor cells in men with metastatic prostate cancer. <i>Biomarker Research</i> , 2021 , 9, 14	8	12
168	Coupled Feedback Loops Involving PAGE4, EMT and Notch Signaling Can Give Rise to Non-genetic Heterogeneity in Prostate Cancer Cells. <i>Entropy</i> , 2021 , 23,	2.8	2
167	Calcium signaling induces a partial EMT. <i>EMBO Reports</i> , 2021 , 22, e51872	6.5	6
166	Decoding leader cells in collective cancer invasion. <i>Nature Reviews Cancer</i> , 2021 , 21, 592-604	31.3	23
165	The somatic molecular evolution of cancer: Mutation, selection, and epistasis. <i>Progress in Biophysics and Molecular Biology</i> , 2021 , 165, 56-65	4.7	3
164	Matrix adhesion and remodeling diversifies modes of cancer invasion across spatial scales. <i>Journal of Theoretical Biology</i> , 2021 , 524, 110733	2.3	2
163	A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. <i>Frontiers in Oncology</i> , 2021 , 11, 641187	5.3	1
162	Semicoordinated allelic-bursting shape dynamic random monoallelic expression in pregastrulation embryos. <i>iScience</i> , 2021 , 24, 102954	6.1	1

161	Identifying Modifiable and Non-modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma: A National Cancer Database Study. <i>Annals of Surgical Oncology</i> , 2021 , 1	3.1	1
160	Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma. <i>IScience</i> , 2021 , 24, 103111	6.1	6
159	First passage time properties of miRNA-mediated protein translation. <i>Journal of Theoretical Biology</i> , 2021 , 529, 110863	2.3	0
158	Mathematical Modeling of Plasticity and Heterogeneity in EMT. <i>Methods in Molecular Biology</i> , 2021 , 2179, 385-413	1.4	7
157	Immunosuppressive Traits of the Hybrid Epithelial/Mesenchymal Phenotype.. <i>Frontiers in Immunology</i> , 2021 , 12, 797261	8.4	8
156	Dynamic Phenotypic Switching and Group Behavior Help Non-Small Cell Lung Cancer Cells Evade Chemotherapy.. <i>Biomolecules</i> , 2021 , 12,	5.9	4
155	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	6.1	6
154	Identifying inhibitors of epithelial-mesenchymal plasticity using a network topology-based approach. <i>Npj Systems Biology and Applications</i> , 2020 , 6, 15	5	38
153	Cancer Stem Cell Plasticity - A Deadly Deal. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 79	5.6	33
152	Cellular Plasticity in Matrix-attached and -Detached Cells: Implications in Metastasis. <i>Journal of the Indian Institute of Science</i> , 2020 , 100, 525-536	2.4	0
151	The fundamentals of phenotypic plasticity 2020 , 1-21		2
150	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	6.9	6
149	ZEB1: A Critical Regulator of Cell Plasticity, DNA Damage Response, and Therapy Resistance. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 36	5.6	40
148	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	5.3	9
147	Development of a precision medicine pipeline to identify personalized treatments for colorectal cancer. <i>BMC Cancer</i> , 2020 , 20, 592	4.8	4
146	Twist1 induces chromosomal instability (CIN) in colorectal cancer cells. <i>Human Molecular Genetics</i> , 2020 , 29, 1673-1688	5.6	6
145	Integrative Analysis and Machine Learning based Characterization of Single Circulating Tumor Cells. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	16
144	A mechanism for epithelial-mesenchymal heterogeneity in a population of cancer cells. <i>PLoS Computational Biology</i> , 2020 , 16, e1007619	5	52

143	Epigenetic feedback and stochastic partitioning during cell division can drive resistance to EMT. <i>Oncotarget</i> , 2020 , 11, 2611-2624	3.3	18
142	Hybrid E/M Phenotype(s) and Stemness: A Mechanistic Connection Embedded in Network Topology. <i>Journal of Clinical Medicine</i> , 2020 , 10,	5.1	8
141	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	4.1	10
140	Molecular Biology and Evolution of Cancer: From Discovery to Action. <i>Molecular Biology and Evolution</i> , 2020 , 37, 320-326	8.3	25
139	Improving Cancer Drug Discovery by Studying Cancer across the Tree of Life. <i>Molecular Biology and Evolution</i> , 2020 , 37, 11-17	8.3	10
138	Histone deacetylases, Mbd3/NuRD, and Tet2 hydroxylase are crucial regulators of epithelial-mesenchymal plasticity and tumor metastasis. <i>Oncogene</i> , 2020 , 39, 1498-1513	9.2	11
137	The Physics of Cellular Decision Making During Epithelial-Mesenchymal Transition. <i>Annual Review of Biophysics</i> , 2020 , 49, 1-18	21.1	36
136	Differential Contributions of Pre- and Post-EMT Tumor Cells in Breast Cancer Metastasis. <i>Cancer Research</i> , 2020 , 80, 163-169	10.1	33
135	NFATc Acts as a Non-Canonical Phenotypic Stability Factor for a Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Oncology</i> , 2020 , 10, 553342	5.3	10
134	Anticipating the Novel Coronavirus Disease (COVID-19) Pandemic. <i>Frontiers in Public Health</i> , 2020 , 8, 569669	6	9
133	Plastic pollution solutions: emerging technologies to prevent and collect marine plastic pollution. <i>Environment International</i> , 2020 , 144, 106067	12.9	75
132	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, 1-9	2.4	5
131	Epithelial-mesenchymal transition in cancer 2020 , 553-568		1
130	Phenotypic switching and prostate diseases: a model proposing a causal link between benign prostatic hyperplasia and prostate cancer 2020 , 569-589		
129	A Comparative Oncology Drug Discovery Pipeline to Identify and Validate New Treatments for Osteosarcoma. <i>Cancers</i> , 2020 , 12,	6.6	2
128	Biofilms. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	69
127	A Non-genetic Mechanism Involving the Integrin α /Paxillin Axis Contributes to Chemoresistance in Lung Cancer. <i>iScience</i> , 2020 , 23, 101496	6.1	7
126	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	4.6	3

125	Hypoxia, partial EMT and collective migration: Emerging culprits in metastasis. <i>Translational Oncology</i> , 2020 , 13, 100845	4.9	51
124	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	4.8	13
123	Understanding the Principles of Pattern Formation Driven by Notch Signaling by Integrating Experiments and Theoretical Models. <i>Frontiers in Physiology</i> , 2020 , 11, 929	4.6	18
122	OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease, and Reprogramming. <i>Cells Tissues Organs</i> , 2020 , 1-10	2.1	9
121	Targeting the Id1-Kif11 Axis in Triple-Negative Breast Cancer Using Combination Therapy. <i>Biomolecules</i> , 2020 , 10,	5.9	2
120	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	5.7	49
119	Cancer Stem Cells and Epithelial-to-Mesenchymal Transition in Cancer Metastasis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020 , 10,	5.4	46
118	Immune dysregulation and osteosarcoma: Staphylococcus aureus downregulates TGF- β and heightens the inflammatory signature in human and canine macrophages suppressed by osteosarcoma. <i>Veterinary and Comparative Oncology</i> , 2020 , 18, 64-75	2.5	9
117	Functional balance between Tcf21-Slug defines cellular plasticity and migratory modalities in high grade serous ovarian cancer cell lines. <i>Carcinogenesis</i> , 2020 , 41, 515-526	4.6	12
116	Critical Steps in Epithelial-Mesenchymal Transition as Target for Cancer Treatment. <i>Human Perspectives in Health Sciences and Technology</i> , 2020 , 213-244	0.3	2
115	Baby Genomics: Tracing the Evolutionary Changes That Gave Rise to Placentation. <i>Genome Biology and Evolution</i> , 2020 , 12, 35-47	3.9	7
114	Comparative Study of Transcriptomics-Based Scoring Metrics for the Epithelial-Hybrid-Mesenchymal Spectrum. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 220	5.8	37
113	Emergent Properties of the HNF4 β -PPAR α Network May Drive Consequent Phenotypic Plasticity in NAFLD. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
112	A Biophysical Model Uncovers the Size Distribution of Migrating Cell Clusters across Cancer Types. <i>Cancer Research</i> , 2019 , 79, 5527-5535	10.1	23
111	Dynamics of Phenotypic Heterogeneity Associated with EMT and Stemness during Cancer Progression. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	68
110	Quantifying Cancer Epithelial-Mesenchymal Plasticity and its Association with Stemness and Immune Response. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	41
109	Pharmacodynamic study of radium-223 in men with bone metastatic castration resistant prostate cancer. <i>PLoS ONE</i> , 2019 , 14, e0216934	3.7	9
108	Structural and Dynamical Order of a Disordered Protein: Molecular Insights into Conformational Switching of PAGE4 at the Systems Level. <i>Biomolecules</i> , 2019 , 9,	5.9	11

107	Deciphering the Dynamics of Epithelial-Mesenchymal Transition and Cancer Stem Cells in Tumor Progression. <i>Current Stem Cell Reports</i> , 2019 , 5, 11-21	1.8	16
106	E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. <i>Molecular Cancer Research</i> , 2019 , 17, 1391-1402	6.6	15
105	Spleen Tyrosine Kinase-Mediated Autophagy Is Required for Epithelial-Mesenchymal Plasticity and Metastasis in Breast Cancer. <i>Cancer Research</i> , 2019 , 79, 1831-1843	10.1	70
104	Computational Modeling of the Crosstalk Between Macrophage Polarization and Tumor Cell Plasticity in the Tumor Microenvironment. <i>Frontiers in Oncology</i> , 2019 , 9, 10	5.3	26
103	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,	5.1	12
102	Phenotypic heterogeneity in circulating tumor cells and its prognostic value in metastasis and overall survival. <i>EBioMedicine</i> , 2019 , 46, 4-5	8.8	11
101	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,	5.1	8
100	Acute vs. Chronic vs. Cyclic Hypoxia: Their Differential Dynamics, Molecular Mechanisms, and Effects on Tumor Progression. <i>Biomolecules</i> , 2019 , 9,	5.9	71
99	Small Cell Lung Cancer Therapeutic Responses Through Fractal Measurements: From Radiology to Mitochondrial Biology. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	6
98	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	3.7	67
97	A possible role for epigenetic feedback regulation in the dynamics of the epithelial-mesenchymal transition (EMT). <i>Physical Biology</i> , 2019 , 16, 066004	3	47
96	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	11.5	23
95	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,	5.1	19
94	Phenotypic Switching of Naïve T Cells to Immune-Suppressive Treg-Like Cells by Mutant KRAS. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	12
93	Computational Modeling of Collective Cell Migration: Mechanical and Biochemical Aspects. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1146, 1-11	3.6	5
92	Anticipating critical transitions in epithelial-hybrid-mesenchymal cell-fate determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	15
91	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	11.5	137
90	Testing the gene expression classification of the EMT spectrum. <i>Physical Biology</i> , 2019 , 16, 025002	3	22

89	Quantitative Characteristic of ncRNA Regulation in Gene Regulatory Networks. <i>Methods in Molecular Biology</i> , 2019 , 1912, 341-366	1.4	2
88	The DNA walk and its demonstration of deterministic chaos-relevance to genomic alterations in lung cancer. <i>Bioinformatics</i> , 2019 , 35, 2738-2748	7.2	4
87	Stability and mean residence times for hybrid epithelial/mesenchymal phenotype. <i>Physical Biology</i> , 2019 , 16, 025003	3	27
86	Hybrid epithelial/mesenchymal phenotypes promote metastasis and therapy resistance across carcinomas. <i>Pharmacology & Therapeutics</i> , 2019 , 194, 161-184	13.9	140
85	XIAP Regulation by MNK Links MAPK and NFB Signaling to Determine an Aggressive Breast Cancer Phenotype. <i>Cancer Research</i> , 2018 , 78, 1726-1738	10.1	29
84	Epithelial-mesenchymal transition, a spectrum of states: Role in lung development, homeostasis, and disease. <i>Developmental Dynamics</i> , 2018 , 247, 346-358	2.9	123
83	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	5.3	13
82	Phenotypic Plasticity, Bet-Hedging, and Androgen Independence in Prostate Cancer: Role of Non-Genetic Heterogeneity. <i>Frontiers in Oncology</i> , 2018 , 8, 50	5.3	69
81	Hybrid epithelial/mesenchymal phenotype(s): The Cost for metastasis?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018 , 1870, 151-157	11.2	76
80	PAGE4 and Conformational Switching: Insights from Molecular Dynamics Simulations and Implications for Prostate Cancer. <i>Journal of Molecular Biology</i> , 2018 , 430, 2422-2438	6.5	24
79	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	3.3	49
78	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,	5.1	8
77	Chronic Obstructive Pulmonary Disease and Lung Cancer: Underlying Pathophysiology and New Therapeutic Modalities. <i>Drugs</i> , 2018 , 78, 1717-1740	12.1	35
76	Interconnected feedback loops among ESRP1, HAS2, and CD44 regulate epithelial-mesenchymal plasticity in cancer. <i>APL Bioengineering</i> , 2018 , 2, 031908	6.6	46
75	Computational systems biology of epithelial-hybrid-mesenchymal transitions. <i>Current Opinion in Systems Biology</i> , 2017 , 3, 1-6	3.2	24
74	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	4.7	63
73	EMT and MET: necessary or permissive for metastasis?. <i>Molecular Oncology</i> , 2017 , 11, 755-769	7.9	204
72	Epithelial/mesenchymal plasticity: how have quantitative mathematical models helped improve our understanding?. <i>Molecular Oncology</i> , 2017 , 11, 739-754	7.9	48

71	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	11.5	55
70	Survival Outcomes in Cancer Patients Predicted by a Partial EMT Gene Expression Scoring Metric. <i>Cancer Research</i> , 2017 , 77, 6415-6428	10.1	132
69	Phenotypic Plasticity and Cell Fate Decisions in Cancer: Insights from Dynamical Systems Theory. <i>Cancers</i> , 2017 , 9,	6.6	51
68	Induction of Mesenchymal-Epithelial Transitions in Sarcoma Cells. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
67	Operating principles of tristable circuits regulating cellular differentiation. <i>Physical Biology</i> , 2017 , 14, 035007	3	22
66	MCAM Mediates Chemoresistance in Small-Cell Lung Cancer via the PI3K/AKT/SOX2 Signaling Pathway. <i>Cancer Research</i> , 2017 , 77, 4414-4425	10.1	64
65	Inflammatory breast cancer: a model for investigating cluster-based dissemination. <i>Npj Breast Cancer</i> , 2017 , 3, 21	7.8	81
64	PhyloOncology: Understanding cancer through phylogenetic analysis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1867, 101-108	11.2	13
63	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	12.9	42
62	Distinguishing mechanisms underlying EMT tristability 2017 , 1, 2		47
61	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,	4.1	84
60	Mesenchymal-Epithelial Transition in Sarcomas Is Controlled by the Combinatorial Expression of MicroRNA 200s and GRHL2. <i>Molecular and Cellular Biology</i> , 2016 , 36, 2503-13	4.8	65
59	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	11.5	110
58	Snail promotes resistance to enzalutamide through regulation of androgen receptor activity in prostate cancer. <i>Oncotarget</i> , 2016 , 7, 50507-50521	3.3	33
57	Phenotypic plasticity in prostate cancer: role of intrinsically disordered proteins. <i>Asian Journal of Andrology</i> , 2016 , 18, 704-10	2.8	44
56	Stability of the hybrid epithelial/mesenchymal phenotype. <i>Oncotarget</i> , 2016 , 7, 27067-84	3.3	259
55	Tumor Budding: The Name is EMT. Partial EMT. <i>Journal of Clinical Medicine</i> , 2016 , 5,	5.1	258
54	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	11.5	69

53	Operating principles of Notch-Delta-Jagged module of cell-cell communication. <i>New Journal of Physics</i> , 2015 , 17, 055021	2.9	31
52	Modeling the Transitions between Collective and Solitary Migration Phenotypes in Cancer Metastasis. <i>Scientific Reports</i> , 2015 , 5, 17379	4.9	38
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36	OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease and Reprogramming		2

35	Phenotypic Plasticity and Cell Fate Decisions in Cancer: Insights from Dynamical Systems Theory	2
34	Single-Cell RNA-seq Identifies Cell Subsets in Human Placenta That Highly Expresses Factors to Drive Pathogenesis of SARS-CoV-2	4
33	Measuring and Modelling the Epithelial Mesenchymal Hybrid State in Cancer: Clinical Implications	2
32	An integrative systems biology and experimental approach identifies convergence of epithelial plasticity, metabolism, and autophagy to promote chemoresistance	1
31	A Non-genetic Mechanism for Chemoresistance in Lung Cancer: The Role of Integrin α /Paxillin Axis	1
30	Distinguishing Mechanisms Underlying EMT Tristability	2
29	Inflammatory Breast Cancer: a model for investigating cluster-based dissemination	1
28	EMT and MET: necessary or permissive for metastasis?	1
27	Suppressing chemoresistance in lung cancer via dynamic phenotypic switching and intermittent therapy	3
26	Anticipating the novel coronavirus disease (COVID-19) pandemic	4
25	Gene expression and chromatin accessibility during progressive EMT and MET linked to dynamic CTCF engagement	6
24	Mechanistic modeling of the SARS-CoV-2 and immune system interplay unravels design principles for diverse clinicopathological outcomes	7
23	A computational systems biology approach identifies SLUG as a mediator of partial Epithelial-Mesenchymal Transition (EMT)	5
22	Hybrid E/M phenotype(s) and stemness: a mechanistic connection embedded in network topology	2
21	Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer	1
20	Functional Balance between TCF21-Slug defines phenotypic plasticity and sub-classes in high-grade serous ovarian cancer	3
19	NRF2 activates a partial Epithelial-Mesenchymal Transition and is maximally present in a hybrid Epithelial/Mesenchymal phenotype	4
18	Towards understanding cancer stem cell heterogeneity in the tumor microenvironment	1

17	AMPK-Fyn signaling promotes Notch1 stability to potentiate hypoxia-induced breast cancer stemness and drug resistance	2
16	A biophysical model of Epithelial-Mesenchymal Transition uncovers the frequency and size distribution of Circulating Tumor Cell clusters across cancer types	2
15	A Mechanism for Epithelial-Mesenchymal Heterogeneity in a Population of Cancer Cells	11
14	Pericytes enable effective angiogenesis in the presence of pro-inflammatory signals	1
13	A possible role for epigenetic feedback regulation in the dynamics of the Epithelial-Mesenchymal Transition (EMT)	1
12	Feedback loops involving ERK, AMPK and TFEB generate non-genetic heterogeneity that allows cells to evade anoikis	1
11	Identifying inhibitors of epithelial-mesenchymal plasticity using a network topology based approach	3
10	Integrative analysis and machine learning based characterization of single circulating tumor cells	1
9	Analysis of hierarchical organization in gene expression networks reveals underlying principles of collective tumor cell dissemination and metastatic aggressiveness of inflammatory breast cancer	1
8	Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma	2
7	Dynamic plasticity within the EMT spectrum, rather than static mesenchymal traits, drives tumor heterogeneity and metastatic progression of breast cancers	4
6	A mechanistic model captures the emergence and implications of non-genetic heterogeneity and reversible drug resistance in ER+ breast cancer cells	1
5	Nrf2 modulates the hybrid epithelial/mesenchymal phenotype and Notch signaling during collective cancer migration	3
4	Epithelial-mesenchymal plasticity through loss of CTCF motif accessibility and protein expression	1
3	Immunosuppressive traits of the hybrid epithelial/mesenchymal phenotype	3
2	A theoretical approach to coupling the epithelial-mesenchymal transition (EMT) to extracellular matrix (ECM) stiffness via LOXL2	1
1	Transcriptomic-based quantification of the epithelial-hybrid-mesenchymal spectrum across biological contexts	1