Mohit Kumar Jolly

List of Publications by Citations

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	Implications of the Hybrid Epithelial/Mesenchymal Phenotype in Metastasis. *Frontiers in Oncology*, **2015**, 5, 155	5.3	414
213	MicroRNA-based regulation of epithelial-hybrid-mesenchymal fate determination. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 18144-9	11.5	327
212	Stability of the hybrid epithelial/mesenchymal phenotype. *Oncotarget*, **2016**, 7, 27067-84	3.3	259
211	Tumor Budding: The Name is EMT. Partial EMT. *Journal of Clinical Medicine*, **2016**, 5,	5.1	258
210	EMT and MET: necessary or permissive for metastasis?. *Molecular Oncology*, **2017**, 11, 755-769	7.9	204
209	Hybrid epithelial/mesenchymal phenotypes promote metastasis and therapy resistance across carcinomas. *Pharmacology & Therapeutics*, **2019**, 194, 161-184	13.9	140
208	Toward understanding cancer stem cell heterogeneity in the tumor microenvironment. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 148-157	11.5	137
207	Survival Outcomes in Cancer Patients Predicted by a Partial EMT Gene Expression Scoring Metric. *Cancer Research*, **2017**, 77, 6415-6428	10.1	132
206	Towards elucidating the connection between epithelial-mesenchymal transitions and stemness. *Journal of the Royal Society Interface*, **2014**, 11, 20140962	4.1	126
205	Epithelial-mesenchymal transition, a spectrum of states: Role in lung development, homeostasis, and disease. *Developmental Dynamics*, **2018**, 247, 346-358	2.9	123
204	Coupling the modules of EMT and stemness: A tunable Qstemness windowQmodel. *Oncotarget*, **2015**, 6, 25161-74	3.3	116
203	Immunoproteasome deficiency is a feature of non-small cell lung cancer with a mesenchymal phenotype and is associated with a poor outcome. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E1555-64	11.5	110
202	OVOL guides the epithelial-hybrid-mesenchymal transition. *Oncotarget*, **2015**, 6, 15436-48	3.3	92
201	Notch-Jagged signalling can give rise to clusters of cells exhibiting a hybrid epithelial/mesenchymal phenotype. *Journal of the Royal Society Interface*, **2016**, 13,	4.1	84
200	Inflammatory breast cancer: a model for investigating cluster-based dissemination. *Npj Breast Cancer*, **2017**, 3, 21	7.8	81
199	Jagged-Delta asymmetry in Notch signaling can give rise to a Sender/Receiver hybrid phenotype. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E402-9	11.5	78
198	Hybrid epithelial/mesenchymal phenotype(s): The QfittestQfor metastasis?. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2018**, 1870, 151-157	11.2	76

197	Plastic pollution solutions: emerging technologies to prevent and collectmarineplastic pollution. *Environment International*, **2020**, 144, 106067	12.9	75
196	Acute vs. Chronic vs. Cyclic Hypoxia: Their Differential Dynamics, Molecular Mechanisms, and Effects on Tumor Progression. *Biomolecules*, **2019**, 9,	5.9	71
195	Spleen Tyrosine Kinase-Mediated Autophagy Is Required for Epithelial-Mesenchymal Plasticity and Metastasis in Breast Cancer. *Cancer Research*, **2019**, 79, 1831-1843	10.1	70
194	Jagged mediates differences in normal and tumor angiogenesis by affecting tip-stalk fate decision. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3836-44	11.5	69
193	Phenotypic Plasticity, Bet-Hedging, and Androgen Independence in Prostate Cancer: Role of Non-Genetic Heterogeneity. *Frontiers in Oncology*, **2018**, 8, 50	5.3	69
192	Biofilms. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	69
191	Dynamics of Phenotypic Heterogeneity Associated with EMT and Stemness during Cancer Progression. *Journal of Clinical Medicine*, **2019**, 8,	5.1	68
190	NRF2 activates a partial epithelial-mesenchymal transition and is maximally present in a hybrid epithelial/mesenchymal phenotype. *Integrative Biology (United Kingdom)*, **2019**, 11, 251-263	3.7	67
189	Mesenchymal-Epithelial Transition in Sarcomas Is Controlled by the Combinatorial Expression of MicroRNA 200s and GRHL2. *Molecular and Cellular Biology*, **2016**, 36, 2503-13	4.8	65
188	MCAM Mediates Chemoresistance in Small-Cell Lung Cancer via the PI3K/AKT/SOX2 Signaling Pathway. *Cancer Research*, **2017**, 77, 4414-4425	10.1	64
187	The three-way switch operation of Rac1/RhoA GTPase-based circuit controlling amoeboid-hybrid-mesenchymal transition. *Scientific Reports*, **2014**, 4, 6449	4.9	64
186	The GRHL2/ZEB Feedback Loop-A Key Axis in the Regulation of EMT in Breast Cancer. *Journal of Cellular Biochemistry*, **2017**, 118, 2559-2570	4.7	63
185	Tristability in cancer-associated microRNA-TF chimera toggle switch. *Journal of Physical Chemistry B* , **2013**, 117, 13164-74	3.4	63
184	Cellular migration and invasion uncoupled: increased migration is not an inexorable consequence of epithelial-to-mesenchymal transition. *Molecular and Cellular Biology*, **2014**, 34, 3486-99	4.8	58
183	The role of epithelial plasticity in prostate cancer dissemination and treatment resistance. *Cancer and Metastasis Reviews*, **2014**, 33, 441-68	9.6	56
182	Phosphorylation-induced conformational dynamics in an intrinsically disordered protein and potential role in phenotypic heterogeneity. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2644-E2653	11.5	55
181	A mechanism for epithelial-mesenchymal heterogeneity in a population of cancer cells. *PLoS Computational Biology*, **2020**, 16, e1007619	5	52
180	Phenotypic Plasticity and Cell Fate Decisions in Cancer: Insights from Dynamical Systems Theory. *Cancers*, **2017**, 9,	6.6	51

179	Hypoxia, partial EMT and collective migration: Emerging culprits in metastasis. *Translational Oncology*, **2020**, 13, 100845	4.9	51
178	A mechanism-based computational model to capture the interconnections among epithelial-mesenchymal transition, cancer stem cells and Notch-Jagged signaling. *Oncotarget*, **2018**, 9, 29906-29920	3.3	49
177	Single-Cell RNA-seq Identifies Cell Subsets in Human Placenta That Highly Expresses Factors Driving Pathogenesis of SARS-CoV-2. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 783	5.7	49
176	Epithelial/mesenchymal plasticity: how have quantitative mathematical models helped improve our understanding?. *Molecular Oncology*, **2017**, 11, 739-754	7.9	48
175	A possible role for epigenetic feedback regulation in the dynamics of the epithelial-mesenchymal transition (EMT). *Physical Biology*, **2019**, 16, 066004	3	47
174	Distinguishing mechanisms underlying EMT tristability **2017**, 1, 2		47
173	Toward decoding the principles of cancer metastasis circuits. *Cancer Research*, **2014**, 74, 4574-87	10.1	46
172	Cancer Stem Cells and Epithelial-to-Mesenchymal Transition in Cancer Metastasis. *Cold Spring Harbor Perspectives in Medicine*, **2020**, 10,	5.4	46
171	Interconnected feedback loops among ESRP1, HAS2, and CD44 regulate epithelial-mesenchymal plasticity in cancer. *APL Bioengineering*, **2018**, 2, 031908	6.6	46
170	Phenotypic plasticity in prostate cancer: role of intrinsically disordered proteins. *Asian Journal of Andrology*, **2016**, 18, 704-10	2.8	44
169	Whole Genomic Copy Number Alterations in Circulating Tumor Cells from Men with Abiraterone or Enzalutamide-Resistant Metastatic Castration-Resistant Prostate Cancer. *Clinical Cancer Research*, **2017**, 23, 1346-1357	12.9	42
168	Quantifying Cancer Epithelial-Mesenchymal Plasticity and its Association with Stemness and Immune Response. *Journal of Clinical Medicine*, **2019**, 8,	5.1	41
167	ZEB1: A Critical Regulator of Cell Plasticity, DNA Damage Response, and Therapy Resistance. *Frontiers in Molecular Biosciences*, **2020**, 7, 36	5.6	40
166	Identifying inhibitors of epithelial-mesenchymal plasticity using a network topology-based approach. *Npj Systems Biology and Applications*, **2020**, 6, 15	5	38
165	Modeling the Transitions between Collective and Solitary Migration Phenotypes in Cancer Metastasis. *Scientific Reports*, **2015**, 5, 17379	4.9	38
164	Comparative Study of Transcriptomics-Based Scoring Metrics for the Epithelial-Hybrid-Mesenchymal Spectrum. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 220	5.8	37
163	The Physics of Cellular Decision Making During Epithelial-Mesenchymal Transition. *Annual Review of Biophysics*, **2020**, 49, 1-18	21.1	36
162	Chronic Obstructive Pulmonary Disease and Lung Cancer: Underlying Pathophysiology and New Therapeutic Modalities. *Drugs*, **2018**, 78, 1717-1740	12.1	35

161	Cancer Stem Cell Plasticity - A Deadly Deal. *Frontiers in Molecular Biosciences*, **2020**, 7, 79	5.6	33
160	Snail promotes resistance to enzalutamide through regulation of androgen receptor activity in prostate cancer. *Oncotarget*, **2016**, 7, 50507-50521	3.3	33
159	Differential Contributions of Pre- and Post-EMT Tumor Cells in Breast Cancer Metastasis. *Cancer Research*, **2020**, 80, 163-169	10.1	33
158	Operating principles of Notch□Delta□Jagged module of cell□cell communication. *New Journal of Physics*, **2015**, 17, 055021	2.9	31
157	Identification of EMT signaling cross-talk and gene regulatory networks by single-cell RNA sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	31
156	XIAP Regulation by MNK Links MAPK and NFB Signaling to Determine an Aggressive Breast Cancer Phenotype. *Cancer Research*, **2018**, 78, 1726-1738	10.1	29
155	Stability and mean residence times for hybrid epithelial/mesenchymal phenotype. *Physical Biology*, **2019**, 16, 025003	3	27
154	Computational Modeling of the Crosstalk Between Macrophage Polarization and Tumor Cell Plasticity in the Tumor Microenvironment. *Frontiers in Oncology*, **2019**, 9, 10	5.3	26
153	Molecular Biology and Evolution of Cancer: From Discovery to Action. *Molecular Biology and Evolution*, **2020**, 37, 320-326	8.3	25
152	Computational systems biology of epithelial-hybrid-mesenchymal transitions. *Current Opinion in Systems Biology*, **2017**, 3, 1-6	3.2	24
151	PAGE4 and Conformational Switching: Insights from Molecular Dynamics Simulations and Implications for Prostate Cancer. *Journal of Molecular Biology*, **2018**, 430, 2422-2438	6.5	24
150	A Biophysical Model Uncovers the Size Distribution of Migrating Cell Clusters across Cancer Types. *Cancer Research*, **2019**, 79, 5527-5535	10.1	23
149	Pericytes enable effective angiogenesis in the presence of proinflammatory signals. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 23551-23561	11.5	23
148	Decoding leader cells in collective cancer invasion. *Nature Reviews Cancer*, **2021**, 21, 592-604	31.3	23
147	Operating principles of tristable circuits regulating cellular differentiation. *Physical Biology*, **2017**, 14, 035007	3	22
146	Testing the gene expression classification of the EMT spectrum. *Physical Biology*, **2019**, 16, 025002	3	22
145	A CTC-Cluster-Specific Signature Derived from OMICS Analysis of Patient-Derived Xenograft Tumors Predicts Outcomes in Basal-Like Breast Cancer. *Journal of Clinical Medicine*, **2019**, 8,	5.1	19
144	A Computational Systems Biology Approach Identifies SLUG as a Mediator of Partial Epithelial-Mesenchymal Transition (EMT). *Cells Tissues Organs*, **2021**, 1-14	2.1	19

143	Fluorescence-based alternative splicing reporters for the study of epithelial plasticity in vivo. *Rna*, **2013**, 19, 116-27	5.8	18
142	Carcinosarcomas: tumors in transition?. *Histology and Histopathology*, **2015**, 30, 673-87	1.4	18
141	Epigenetic feedback and stochastic partitioning during cell division can drive resistance to EMT. *Oncotarget*, **2020**, 11, 2611-2624	3.3	18
140	Understanding the Principles of Pattern Formation Driven by Notch Signaling by Integrating Experiments and Theoretical Models. *Frontiers in Physiology*, **2020**, 11, 929	4.6	18
139	Deciphering the Dynamics of Epithelial-Mesenchymal Transition and Cancer Stem Cells in Tumor Progression. *Current Stem Cell Reports*, **2019**, 5, 11-21	1.8	16
138	Integrative Analysis and Machine Learning based Characterization of Single Circulating Tumor Cells. *Journal of Clinical Medicine*, **2020**, 9,	5.1	16
137	E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. *Molecular Cancer Research*, **2019**, 17, 1391-1402	6.6	15
136	Mathematical modeling of sub-cellular asymmetry of fat-dachsous heterodimer for generation of planar cell polarity. *PLoS ONE*, **2014**, 9, e97641	3.7	15
135	A mechanistic model captures the emergence and implications of non-genetic heterogeneity and reversible drug resistance in ER+ breast cancer cells. *NAR Cancer*, **2021**, 3, zcab027	5.2	15
134	Anticipating critical transitions in epithelial-hybrid-mesenchymal cell-fate determination. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**,	11.5	15
133	Towards decoding the coupled decision-making of metabolism and epithelial-to-mesenchymal transition in cancer. *British Journal of Cancer*, **2021**, 124, 1902-1911	8.7	14
132	Analysis of Hierarchical Organization in Gene Expression Networks Reveals Underlying Principles of Collective Tumor Cell Dissemination and Metastatic Aggressiveness of Inflammatory Breast Cancer. *Frontiers in Oncology*, **2018**, 8, 244	5.3	13
131	PhyloOncology: Understanding cancer through phylogenetic analysis. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2017**, 1867, 101-108	11.2	13
130	Limb salvage versus amputation in patients with osteosarcoma of the extremities: an update in the modern era using the National Cancer Database. *BMC Cancer*, **2020**, 20, 995	4.8	13
129	A Theoretical Approach to Coupling the Epithelial-Mesenchymal Transition (EMT) to Extracellular Matrix (ECM) Stiffness via LOXL2. *Cancers*, **2021**, 13,	6.6	13
128	An Integrative Systems Biology and Experimental Approach Identifies Convergence of Epithelial Plasticity, Metabolism, and Autophagy to Promote Chemoresistance. *Journal of Clinical Medicine*, **2019**, 8,	5.1	12
127	Phenotypic Switching of Naïve T Cells to Immune-Suppressive Treg-Like Cells by Mutant KRAS. *Journal of Clinical Medicine*, **2019**, 8,	5.1	12
126	Functional balance between Tcf21-Slug defines cellular plasticity and migratory modalities in high grade serous ovarian cancer cell lines. *Carcinogenesis*, **2020**, 41, 515-526	4.6	12

125	Expression of immune checkpoints on circulating tumor cells in men with metastatic prostate cancer. *Biomarker Research*, **2021**, 9, 14	8	12
124	Structural and Dynamical Order of a Disordered Protein: Molecular Insights into Conformational Switching of PAGE4 at the Systems Level. *Biomolecules*, **2019**, 9,	5.9	11
123	Phenotypic heterogeneity in circulating tumor cells and its prognostic value in metastasis and overall survival. *EBioMedicine*, **2019**, 46, 4-5	8.8	11
122	A Mechanism for Epithelial-Mesenchymal Heterogeneity in a Population of Cancer Cells		11
121	Histone deacetylases, Mbd3/NuRD, and Tet2 hydroxylase are crucial regulators of epithelial-mesenchymal plasticity and tumor metastasis. *Oncogene*, **2020**, 39, 1498-1513	9.2	11
120	Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer. *ELife*, **2021**, 10,	8.9	11
119	Multi-stability in cellular differentiation enabled by a network of three mutually repressing master regulators. *Journal of the Royal Society Interface*, **2020**, 17, 20200631	4.1	10
118	Improving Cancer Drug Discovery by Studying Cancer across the Tree of Life. *Molecular Biology and Evolution*, **2020**, 37, 11-17	8.3	10
117	NFATc Acts as a Non-Canonical Phenotypic Stability Factor for a Hybrid Epithelial/Mesenchymal Phenotype. *Frontiers in Oncology*, **2020**, 10, 553342	5.3	10
116	Pharmacodynamic study of radium-223 in men with bone metastatic castration resistant prostate cancer. *PLoS ONE*, **2019**, 14, e0216934	3.7	9
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. *Frontiers in Oncology*, **2020**, 10, 117	5.3	9
114	Anticipating the Novel Coronavirus Disease (COVID-19) Pandemic. *Frontiers in Public Health*, **2020**, 8, 569669	6	9
113	OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease, and Reprogramming. *Cells Tissues Organs*, **2020**, 1-10	2.1	9
112	Epithelial-to-Mesenchymal Transition Enhances Cancer Cell Sensitivity to Cytotoxic Effects of Cold Atmospheric Plasmas in Breast and Bladder Cancer Systems. *Cancers*, **2021**, 13,	6.6	9
111	Immune dysregulation and osteosarcoma: Staphylococcus aureus downregulates TGF- and heightens the inflammatory signature in human and canine macrophages suppressed by osteosarcoma. *Veterinary and Comparative Oncology*, **2020**, 18, 64-75	2.5	9
110	Deciphering Hydrodynamic and Drug-Resistant Behaviors of Metastatic EMT Breast Cancer Cells Moving in a Constricted Microcapillary. *Journal of Clinical Medicine*, **2019**, 8,	5.1	8
109	Hybrid E/M Phenotype(s) and Stemness: A Mechanistic Connection Embedded in Network Topology. *Journal of Clinical Medicine*, **2020**, 10,	5.1	8
108	Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelial-Mesenchymal Plasticity. *Cancers*, **2021**, 13,	6.6	8

107	Prostate-Associated Gene 4 (PAGE4): Leveraging the Conformational Dynamics of a Dancing Protein Cloud as a Therapeutic Target. *Journal of Clinical Medicine*, **2018**, 7,	5.1	8
106	Immunosuppressive Traits of the Hybrid Epithelial/Mesenchymal Phenotype.. *Frontiers in Immunology*, **2021**, 12, 797261	8.4	8
105	Mechanistic modeling of the SARS-CoV-2 and immune system interplay unravels design principles for diverse clinicopathological outcomes		7
104	A Non-genetic Mechanism Involving the Integrin 4/Paxillin Axis Contributes to Chemoresistance in Lung Cancer. *IScience*, **2020**, 23, 101496	6.1	7
103	Investigating epithelial-mesenchymal heterogeneity of tumors and circulating tumor cells with transcriptomic analysis and biophysical modeling. *Computational and Systems Oncology*, **2021**, 1, e1015	1	7
102	Baby Genomics: Tracing the Evolutionary Changes That Gave Rise to Placentation. *Genome Biology and Evolution*, **2020**, 12, 35-47	3.9	7
101	Mathematical Modeling of Plasticity and Heterogeneity in EMT. *Methods in Molecular Biology*, **2021**, 2179, 385-413	1.4	7
100	A Precision Medicine Drug Discovery Pipeline Identifies Combined CDK2 and 9 Inhibition as a Novel Therapeutic Strategy in Colorectal Cancer. *Molecular Cancer Therapeutics*, **2020**, 19, 2516-2527	6.1	6
99	Decoding molecular interplay between RUNX1 and FOXO3a underlying the pulsatile IGF1R expression during acquirement of chemoresistance. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165754	6.9	6
98	Twist1 induces chromosomal instability (CIN) in colorectal cancer cells. *Human Molecular Genetics*, **2020**, 29, 1673-1688	5.6	6
97	Small Cell Lung Cancer Therapeutic Responses Through Fractal Measurements: From Radiology to Mitochondrial Biology. *Journal of Clinical Medicine*, **2019**, 8,	5.1	6
96	U1 small nuclear RNA variants differentially form ribonucleoprotein particles in vitro. *Gene*, **2014**, 540, 11-15	3.8	6
95	Gene expression and chromatin accessibility during progressive EMT and MET linked to dynamic CTCF engagement		6
94	Group Behavior and Emergence of Cancer Drug Resistance. *Trends in Cancer*, **2021**, 7, 323-334	12.5	6
93	Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. *Cells Tissues Organs*, **2021**, 1-24	2.1	6
92	Emergent Properties of the HNF4PPARNetwork May Drive Consequent Phenotypic Plasticity in NAFLD. *Journal of Clinical Medicine*, **2020**, 9,	5.1	6
91	Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. *Frontiers in Marine Science*, **2021**, 7,	4.5	6
90	Calcium signaling induces a partial EMT. *EMBO Reports*, **2021**, 22, e51872	6.5	6

89	Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma. *IScience*, **2021**, 24, 103111	6.1	6
88	CTCF Expression and Dynamic Motif Accessibility Modulates Epithelial-Mesenchymal Gene Expression.. *Cancers*, **2022**, 14,	6.6	5
87	Computational Modeling of Collective Cell Migration: Mechanical and Biochemical Aspects. *Advances in Experimental Medicine and Biology*, **2019**, 1146, 1-11	3.6	5
86	A computational systems biology approach identifies SLUG as a mediator of partial Epithelial-Mesenchymal Transition (EMT)		5
85	The Good, The Bad and The Ugly: A Mathematical Model Investigates the Differing Outcomes Among CoVID-19 Patients. *Journal of the Indian Institute of Science*, **2020**, 100, 1-9	2.4	5
84	Gene expression profiles of inflammatory breast cancer reveal high heterogeneity across the epithelial-hybrid-mesenchymal spectrum. *Translational Oncology*, **2021**, 14, 101026	4.9	5
83	The Hallmarks of Cancer as Ecologically Driven Phenotypes. *Frontiers in Ecology and Evolution*, **2021**, 9,	3.7	5
82	Analysis of immune subtypes across the epithelial-mesenchymal plasticity spectrum. *Computational and Structural Biotechnology Journal*, **2021**, 19, 3842-3851	6.8	5
81	Development of a precision medicine pipeline to identify personalized treatments for colorectal cancer. *BMC Cancer*, **2020**, 20, 592	4.8	4
80	Induction of Mesenchymal-Epithelial Transitions in Sarcoma Cells. *Journal of Visualized Experiments*, **2017**,	1.6	4
79	Single-Cell RNA-seq Identifies Cell Subsets in Human Placenta That Highly Expresses Factors to Drive Pathogenesis of SARS-CoV-2		4
78	Anticipating the novel coronavirus disease (COVID-19) pandemic		4
77	NRF2 activates a partial Epithelial-Mesenchymal Transition and is maximally present in a hybrid Epithelial/Mesenchymal phenotype		4
76	Dynamic plasticity within the EMT spectrum, rather than static mesenchymal traits, drives tumor heterogeneity and metastatic progression of breast cancers		4
75	The DNA walk and its demonstration of deterministic chaos-relevance to genomic alterations in lung cancer. *Bioinformatics*, **2019**, 35, 2738-2748	7.2	4
74	Intrinsically Disordered Proteins: Critical Components of the Wetware.. *Chemical Reviews*, **2022**,	68.1	4
73	Dynamic Phenotypic Switching and Group Behavior Help Non-Small Cell Lung Cancer Cells Evade Chemotherapy.. *Biomolecules*, **2021**, 12,	5.9	4
72	KLF4 Induces Mesenchymal-Epithelial Transition (MET) by Suppressing Multiple EMT-Inducing Transcription Factors. *Cancers*, **2021**, 13,	6.6	3

71	Suppressing chemoresistance in lung cancer via dynamic phenotypic switching and intermittent therapy		3
70	Functional Balance between TCF21-Slug defines phenotypic plasticity and sub-classes in high-grade serous ovarian cancer		3
69	Identifying inhibitors of epithelial-mesenchymal plasticity using a network topology based approach		3
68	A polycyclic aromatic hydrocarbon-enriched environmental chemical mixture enhances AhR, antiapoptotic signaling and a proliferative phenotype in breast cancer cells. *Carcinogenesis*, **2020**, 41, 1648-1659	4.6	3
67	Countries with high deaths due to flu and tuberculosis demonstrate lower COVID-19 mortality: roles of vaccinations. *Human Vaccines and Immunotherapeutics*, **2021**, 17, 2851-2862	4.4	3
66	Nrf2 modulates the hybrid epithelial/mesenchymal phenotype and Notch signaling during collective cancer migration		3
65	Immunosuppressive traits of the hybrid epithelial/mesenchymal phenotype		3
64	The somatic molecular evolution of cancer: Mutation, selection, and epistasis. *Progress in Biophysics and Molecular Biology*, **2021**, 165, 56-65	4.7	3
63	The fundamentals of phenotypic plasticity **2020**, 1-21		2
62	OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease and Reprogramming		2
61	Phenotypic Plasticity and Cell Fate Decisions in Cancer: Insights from Dynamical Systems Theory		2
60	Measuring and Modelling the Epithelial Mesenchymal Hybrid State in Cancer: Clinical Implications		2
59	Manganese Porphyrin and Radiotherapy Improves Local Tumor Response and Overall Survival in Orthotopic Murine Mammary Carcinoma Models. *Radiation Research*, **2021**, 195, 128-139	3.1	2
58	Distinguishing Mechanisms Underlying EMT Tristability		2
57	Hybrid E/M phenotype(s) and stemness: a mechanistic connection embedded in network topology		2
56	AMPK-Fyn signaling promotes Notch1 stability to potentiate hypoxia-induced breast cancer stemness and drug resistance		2
55	A biophysical model of Epithelial-Mesenchymal Transition uncovers the frequency and size distribution of Circulating Tumor Cell clusters across cancer types		2
54	A Comparative Oncology Drug Discovery Pipeline to Identify and Validate New Treatments for Osteosarcoma. *Cancers*, **2020**, 12,	6.6	2

53	Targeting the Id1-Kif11 Axis in Triple-Negative Breast Cancer Using Combination Therapy. *Biomolecules*, **2020**, 10,	5.9	2
52	Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma		2
51	Identifying Modifiable and Non-modifiable Risk Factors of Readmission and Short-Term Mortality in Osteosarcoma: A National Cancer Database Study. *Annals of Surgical Oncology*, **2021**, 28, 7961-7972	3.1	2
50	Lineage Plasticity in Cancer: The Tale of a Skin-Walker. *Cancers*, **2021**, 13,	6.6	2
49	Quantitative Characteristic of ncRNA Regulation in Gene Regulatory Networks. *Methods in Molecular Biology*, **2019**, 1912, 341-366	1.4	2
48	Critical Steps in Epithelial-Mesenchymal Transition as Target for Cancer Treatment. *Human Perspectives in Health Sciences and Technology*, **2020**, 213-244	0.3	2
47	Coupled Feedback Loops Involving PAGE4, EMT and Notch Signaling Can Give Rise to Non-genetic Heterogeneity in Prostate Cancer Cells. *Entropy*, **2021**, 23,	2.8	2
46	Matrix adhesion and remodeling diversifies modes of cancer invasion across spatial scales. *Journal of Theoretical Biology*, **2021**, 524, 110733	2.3	2
45	Tumor Hybrid Cells: Nature and Biological Significance.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 814714	5.7	2
44	Nrf2 Modulates the Hybrid Epithelial/Mesenchymal Phenotype and Notch Signaling During Collective Cancer Migration.. *Frontiers in Molecular Biosciences*, **2022**, 9, 807324	5.6	2
43	Emergence of hybrid states of stem-like cancer cells correlates with poor prognosis in oral cancer. *IScience*, **2022**, 25, 104317	6.1	2
42	NRF2-dependent Epigenetic Regulation can Promote the Hybrid Epithelial/Mesenchymal Phenotype.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 828250	5.7	1
41	Biophysical and biochemical attributes of hybrid epithelial/mesenchymal phenotypes.. *Physical Biology*, **2022**,	3	1
40	Interconnected high-dimensional landscapes of epithelial-mesenchymal plasticity and stemness in cancer.. *Clinical and Experimental Metastasis*, **2022**, 39, 279	4.7	1
39	A reciprocal feedback loop between HIF-1 and HPIP controls phenotypic plasticity in breast cancer cells. *Cancer Letters*, **2021**, 526, 12-28	9.9	1
38	Extent of tumor fibrosis/hyalinization and infarction following neoadjuvant radiation therapy is associated with improved survival in patients with soft-tissue sarcoma. *Cancer Medicine*, **2021**, 11, 194	4.8	1
37	An integrative systems biology and experimental approach identifies convergence of epithelial plasticity, metabolism, and autophagy to promote chemoresistance		1
36	A Non-genetic Mechanism for Chemoresistance in Lung Cancer: The Role of Integrin /Paxillin Axis		1

35	ASO Visual Abstract: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma: A National Cancer Database Study. *Annals of Surgical Oncology*, **2021**, 1	3.1	1
34	Inflammatory Breast Cancer: a model for investigating cluster-based dissemination		1
33	EMT and MET: necessary or permissive for metastasis?		1
32	Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer		1
31	Towards understanding cancer stem cell heterogeneity in the tumor microenvironment		1
30	Pericytes enable effective angiogenesis in the presence of pro-inflammatory signals		1
29	A possible role for epigenetic feedback regulation in the dynamics of the Epithelial-Mesenchymal Transition (EMT)		1
28	Feedback loops involving ERK, AMPK and TFEB generate non-genetic heterogeneity that allows cells to evade anoikis		1
27	Integrative analysis and machine learning based characterization of single circulating tumor cells		1
26	Analysis of hierarchical organization in gene expression networks reveals underlying principles of collective tumor cell dissemination and metastatic aggressiveness of inflammatory breast cancer		1
25	Epithelial-mesenchymal transition in cancer **2020**, 553-568		1
24	Identifying "more equal than others" edges in diverse biochemical networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
23	A mechanistic model captures the emergence and implications of non-genetic heterogeneity and reversible drug resistance in ER+ breast cancer cells		1
22	ASO Visual Abstract: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Osteosarcoma-A National Cancer Database Study. *Annals of Surgical Oncology*, **2021**, 28, 449-450	3.1	1
21	Epithelial-mesenchymal plasticity through loss of CTCF motif accessibility and protein expression		1
20	A theoretical approach to coupling the epithelial-mesenchymal transition (EMT) to extracellular matrix (ECM) stiffness via LOXL2		1
19	A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. *Frontiers in Oncology*, **2021**, 11, 641187	5.3	1
18	Semicoordinated allelic-bursting shape dynamic random monoallelic expression in pregastrulation embryos. *IScience*, **2021**, 24, 102954	6.1	1

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17	Identifying Modifiable and Non-modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma: A National Cancer Database Study. *Annals of Surgical Oncology*, **2021**, 1	3.1	1
16	Transcriptomic-based quantification of the epithelial-hybrid-mesenchymal spectrum across biological contexts		1
15	Changes in Triple-Negative Breast Cancer Molecular Subtypes in Patients Without Pathologic Complete Response After Neoadjuvant Systemic Chemotherapy.. *JCO Precision Oncology*, **2022**, 6, e2000368	3.6	1
14	Intrinsically disordered proteins: Ensembles at the limits of Anfinsen dogma. *Biophysics Reviews*, **2022**, 3, 011306	2.6	1
13	Cellular Plasticity in Matrix-attached and -Detached Cells: Implications in Metastasis. *Journal of the Indian Institute of Science*, **2020**, 100, 525-536	2.4	0
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3	Abstract P5-04-04: Identification of AR driven tumors within TNBC using a novel gene signature. *Cancer Research*, **2022**, 82, P5-04-04-P5-04-04	10.1	
2	Post-Austronesian migrational wave of West Polynesians to Micronesia.. *Gene*, **2022**, 823, 146357	3.8	
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