

Mohit Kumar Jolly

List of Publications by Year in descending order

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Version: 2024-02-01

206
papers

10,664
citations

34016

52
h-index

51492

86
g-index

301
all docs

301
docs citations

301
times ranked

9670
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | OVOL1/2: Drivers of Epithelial Differentiation in Development, Disease, and Reprogramming. <i>Cells Tissues Organs</i> , 2022, 211, 183-192. | 1.3 | 23 |
| 2 | Measuring and Modelling the Epithelial- Mesenchymal Hybrid State in Cancer: Clinical Implications. <i>Cells Tissues Organs</i> , 2022, 211, 110-133. | 1.3 | 28 |
| 3 | 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> , 2022, 29, 1392-1408. | 0.7 | 2 |
| 4 | 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. | 1.3 | 36 |
| 5 | ASO Author Reflections: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Chondrosarcoma. <i>Annals of Surgical Oncology</i> , 2022, 29, 1409-1410. | 0.7 | 1 |
| 6 | 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. | 3.2 | 10 |
| 7 | 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> , 2022, 11, 194-206. | 1.3 | 5 |
| 8 | CTCF Expression and Dynamic Motif Accessibility Modulates Epithelial-Mesenchymal Gene Expression. <i>Cancers</i> , 2022, 14, 209. | 1.7 | 15 |
| 9 | Roadmap on plasticity and epigenetics in cancer. <i>Physical Biology</i> , 2022, 19, 031501. | 0.8 | 8 |
| 10 | Biophysical and biochemical attributes of hybrid epithelial/mesenchymal phenotypes. <i>Physical Biology</i> , 2022, 19, 025001. | 0.8 | 10 |
| 11 | Interconnected high-dimensional landscapes of epithelial-mesenchymal plasticity and stemness in cancer. <i>Clinical and Experimental Metastasis</i> , 2022, 39, 279-290. | 1.7 | 14 |
| 12 | Population Dynamics of Epithelial-Mesenchymal Heterogeneity in Cancer Cells. <i>Biomolecules</i> , 2022, 12, 348. | 1.8 | 12 |
| 13 | Intrinsically Disordered Proteins: Critical Components of the Wetware. <i>Chemical Reviews</i> , 2022, 122, 6614-6633. | 23.0 | 48 |
| 14 | 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. | 0.4 | 0 |
| 15 | Tumor Hybrid Cells: Nature and Biological Significance. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 814714. | 1.8 | 13 |
| 16 | Quantifying the Patterns of Metabolic Plasticity and Heterogeneity along the Epithelial-Hybrid-Mesenchymal Spectrum in Cancer. <i>Biomolecules</i> , 2022, 12, 297. | 1.8 | 21 |
| 17 | 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. | 1.5 | 9 |
| 18 | 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. | 2.0 | 13 |

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|----|--|-----|-----------|
| 19 | Emerging perspectives on growth factor metabolic relationships in the ovarian cancer ascites environment. <i>Seminars in Cancer Biology</i> , 2022, 86, 709-719. | 4.3 | 12 |
| 20 | In Silico Analysis of Ion Channels and Their Correlation with Epithelial to Mesenchymal Transition in Breast Cancer. <i>Cancers</i> , 2022, 14, 1444. | 1.7 | 6 |
| 21 | 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, 33, mbcE21100521. | 0.9 | 8 |
| 22 | Intrinsically disordered proteins: Ensembles at the limits of Anfinsen's dogma. <i>Biophysics Reviews</i> , 2022, 3, . | 1.0 | 15 |
| 23 | Analysis of Yes-Associated Protein-1 (YAP1) Target Gene Signature to Predict Progressive Breast Cancer. <i>Journal of Clinical Medicine</i> , 2022, 11, 1947. | 1.0 | 2 |
| 24 | Cancer: More than a geneticist's Pandora's box. <i>Journal of Biosciences</i> , 2022, 47, . | 0.5 | 2 |
| 25 | Nrf2 Modulates the Hybrid Epithelial/Mesenchymal Phenotype and Notch Signaling During Collective Cancer Migration. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 807324. | 1.6 | 23 |
| 26 | Post-Austronesian migrational wave of West Polynesians to Micronesia. <i>Gene</i> , 2022, 823, 146357. | 1.0 | 1 |
| 27 | Lhx2 in germ cells suppresses endothelial cell migration in the developing ovary. <i>Experimental Cell Research</i> , 2022, 415, 113108. | 1.2 | 8 |
| 28 | Dynamic Phenotypic Switching and Group Behavior Help Non-Small Cell Lung Cancer Cells Evade Chemotherapy. <i>Biomolecules</i> , 2022, 12, 8. | 1.8 | 13 |
| 29 | Transcriptomic-Based Quantification of the Epithelial-Hybrid-Mesenchymal Spectrum across Biological Contexts. <i>Biomolecules</i> , 2022, 12, 29. | 1.8 | 11 |
| 30 | Identifying critical transitions in complex diseases. <i>Journal of Biosciences</i> , 2022, 47, . | 0.5 | 4 |
| 31 | Mean residence times of TF-TF and TF-miRNA toggle switches. <i>Journal of Biosciences</i> , 2022, 47, . | 0.5 | 1 |
| 32 | Exome sequencing of hepatocellular carcinoma in lemurs identifies potential cancer drivers. <i>Evolution, Medicine and Public Health</i> , 2022, 10, 221-230. | 1.1 | 0 |
| 33 | Emergence of hybrid states of stem-like cancer cells correlates with poor prognosis in oral cancer. <i>IScience</i> , 2022, 25, 104317. | 1.9 | 20 |
| 34 | Single-cell analysis reveals X upregulation is not global in pre-gastrulation embryos. <i>IScience</i> , 2022, 25, 104465. | 1.9 | 9 |
| 35 | 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, . | 1.2 | 11 |
| 36 | Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. <i>Frontiers in Marine Science</i> , 2021, 7, . | 1.2 | 22 |

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|----|---|-----|-----------|
| 37 | Epigenetics of epithelial to mesenchymal transition (EMT) in cancer. , 2021, , 237-264. | | 0 |
| 38 | Analysis of immune subtypes across the epithelial-mesenchymal plasticity spectrum. Computational and Structural Biotechnology Journal, 2021, 19, 3842-3851. | 1.9 | 18 |
| 39 | Multi-Stability and Consequent Phenotypic Plasticity in AMPK-Akt Double Negative Feedback Loop in Cancer Cells. Journal of Clinical Medicine, 2021, 10, 472. | 1.0 | 5 |
| 40 | Expression of immune checkpoints on circulating tumor cells in men with metastatic prostate cancer. Biomarker Research, 2021, 9, 14. | 2.8 | 24 |
| 41 | Coupled Feedback Loops Involving PAGE4, EMT and Notch Signaling Can Give Rise to Non-Genetic Heterogeneity in Prostate Cancer Cells. Entropy, 2021, 23, 288. | 1.1 | 6 |
| 42 | Investigating epithelialâ€mesenchymal heterogeneity of tumors and circulating tumor cells with transcriptomic analysis and biophysical modeling. Computational and Systems Oncology, 2021, 1, e1015. | 1.1 | 13 |
| 43 | Identifying â€œmore equal than othersâ€edges in diverse biochemical networks. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 4 |
| 44 | Topological signatures in regulatory network enable phenotypic heterogeneity in small cell lung cancer. ELife, 2021, 10, . | 2.8 | 42 |
| 45 | A Theoretical Approach to Coupling the Epithelial-Mesenchymal Transition (EMT) to Extracellular Matrix (ECM) Stiffness via LOXL2. Cancers, 2021, 13, 1609. | 1.7 | 29 |
| 46 | Gene expression profiles of inflammatory breast cancer reveal high heterogeneity across the epithelial-hybrid-mesenchymal spectrum. Translational Oncology, 2021, 14, 101026. | 1.7 | 13 |
| 47 | 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. | 1.4 | 8 |
| 48 | Towards decoding the coupled decision-making of metabolism and epithelial-to-mesenchymal transition in cancer. British Journal of Cancer, 2021, 124, 1902-1911. | 2.9 | 63 |
| 49 | Group Behavior and Emergence of Cancer Drug Resistance. Trends in Cancer, 2021, 7, 323-334. | 3.8 | 21 |
| 50 | The Hallmarks of Cancer as Ecologically Driven Phenotypes. Frontiers in Ecology and Evolution, 2021, 9, . | 1.1 | 24 |
| 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. | 0.7 | 5 |
| 52 | ASO Visual Abstract: Identifying Modifiable and Non-Modifiable Risk Factors of Readmission and Short-Term Mortality in Osteosarcomaâ€”A National Cancer Database Study. Annals of Surgical Oncology, 2021, 28, 449-450. | 0.7 | 1 |
| 53 | Operating principles of circular toggle polygons. Physical Biology, 2021, 18, 046003. | 0.8 | 2 |
| 54 | Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelialâ€Mesenchymal Plasticity. Cancers, 2021, 13, 2188. | 1.7 | 35 |

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|----|--|------|-----------|
| 55 | 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, . | 3.3 | 134 |
| 56 | Epithelial-to-Mesenchymal Transition Enhances Cancer Cell Sensitivity to Cytotoxic Effects of Cold Atmospheric Plasmas in Breast and Bladder Cancer Systems. Cancers, 2021, 13, 2889. | 1.7 | 35 |
| 57 | Lineage Plasticity in Cancer: The Tale of a Skin-Walker. Cancers, 2021, 13, 3602. | 1.7 | 9 |
| 58 | 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. | 1.6 | 45 |
| 59 | Calcium signaling induces a partial EMT. EMBO Reports, 2021, 22, e51872. | 2.0 | 33 |
| 60 | Decoding leader cells in collective cancer invasion. Nature Reviews Cancer, 2021, 21, 592-604. | 12.8 | 80 |
| 61 | Editorial: Non-Genetic Heterogeneity in Development and Disease. Frontiers in Genetics, 2021, 12, 731814. | 1.1 | 1 |
| 62 | The somatic molecular evolution of cancer: Mutation, selection, and epistasis. Progress in Biophysics and Molecular Biology, 2021, 165, 56-65. | 1.4 | 11 |
| 63 | An Integrative Systems Biology Approach Identifies Molecular Signatures Associated with Gallbladder Cancer Pathogenesis. Journal of Clinical Medicine, 2021, 10, 3520. | 1.0 | 3 |
| 64 | Matrix adhesion and remodeling diversifies modes of cancer invasion across spatial scales. Journal of Theoretical Biology, 2021, 524, 110733. | 0.8 | 19 |
| 65 | A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. Frontiers in Oncology, 2021, 11, 641187. | 1.3 | 6 |
| 66 | Semicoordinated allelic-bursting shape dynamic random monoallelic expression in pregastrulation embryos. IScience, 2021, 24, 102954. | 1.9 | 9 |
| 67 | Systems-level network modeling deciphers the master regulators of phenotypic plasticity and heterogeneity in melanoma. IScience, 2021, 24, 103111. | 1.9 | 29 |
| 68 | First passage time properties of miRNA-mediated protein translation. Journal of Theoretical Biology, 2021, 529, 110863. | 0.8 | 5 |
| 69 | Mathematical Modeling of Plasticity and Heterogeneity in EMT. Methods in Molecular Biology, 2021, 2179, 385-413. | 0.4 | 12 |
| 70 | Hybrid E/M Phenotype(s) and Stemness: A Mechanistic Connection Embedded in Network Topology. Journal of Clinical Medicine, 2021, 10, 60. | 1.0 | 31 |
| 71 | An integrated comparative physiology and molecular approach pinpoints mediators of breath-hold capacity in dolphins. Evolution, Medicine and Public Health, 2021, 9, 420-430. | 1.1 | 5 |
| 72 | KLF4 Induces Mesenchymalâ€“Epithelial Transition (MET) by Suppressing Multiple EMT-Inducing Transcription Factors. Cancers, 2021, 13, 5135. | 1.7 | 21 |

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|----|---|-----|-----------|
| 73 | 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. | 0.7 | 1 |
| 74 | Protein conformational dynamics and phenotypic switching. <i>Biophysical Reviews</i> , 2021, 13, 1127-1138. | 1.5 | 9 |
| 75 | NRF2-dependent Epigenetic Regulation can Promote the Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 828250. | 1.8 | 3 |
| 76 | Immunosuppressive Traits of the Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Immunology</i> , 2021, 12, 797261. | 2.2 | 52 |
| 77 | Cancer Stem Cells and Epithelial-to-Mesenchymal Transition in Cancer Metastasis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a036905. | 2.9 | 98 |
| 78 | Immune dysregulation and osteosarcoma: <i>Staphylococcus aureus</i> 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. | 0.8 | 14 |
| 79 | 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. | 1.3 | 20 |
| 80 | Molecular Biology and Evolution of Cancer: From Discovery to Action. <i>Molecular Biology and Evolution</i> , 2020, 37, 320-326. | 3.5 | 43 |
| 81 | Improving Cancer Drug Discovery by Studying Cancer across the Tree of Life. <i>Molecular Biology and Evolution</i> , 2020, 37, 11-17. | 3.5 | 20 |
| 82 | Histone deacetylases, Mbd3/NuRD, and Tet2 hydroxylase are crucial regulators of epithelial to mesenchymal plasticity and tumor metastasis. <i>Oncogene</i> , 2020, 39, 1498-1513. | 2.6 | 23 |
| 83 | The Physics of Cellular Decision Making During Epithelial to Mesenchymal Transition. <i>Annual Review of Biophysics</i> , 2020, 49, 1-18. | 4.5 | 87 |
| 84 | Differential Contributions of Pre- and Post-EMT Tumor Cells in Breast Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 163-169. | 0.4 | 62 |
| 85 | NFATc Acts as a Non-Canonical Phenotypic Stability Factor for a Hybrid Epithelial/Mesenchymal Phenotype. <i>Frontiers in Oncology</i> , 2020, 10, 553342. | 1.3 | 27 |
| 86 | Anticipating the Novel Coronavirus Disease (COVID-19) Pandemic. <i>Frontiers in Public Health</i> , 2020, 8, 569669. | 1.3 | 12 |
| 87 | Plastic pollution solutions: emerging technologies to prevent and collect marine plastic pollution. <i>Environment International</i> , 2020, 144, 106067. | 4.8 | 200 |
| 88 | 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. | 0.9 | 11 |
| 89 | Epithelial-mesenchymal transition in cancer. , 2020, , 553-568. | | 1 |
| 90 | Phenotypic switching and prostate diseases: a model proposing a causal link between benign prostatic hyperplasia and prostate cancer. , 2020, , 569-589. | | 0 |

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|-----|--|-----|-----------|
| 91 | A Comparative Oncology Drug Discovery Pipeline to Identify and Validate New Treatments for Osteosarcoma. <i>Cancers</i> , 2020, 12, 3335. | 1.7 | 11 |
| 92 | <i>Pseudomonas aeruginosa</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8671. | 1.8 | 322 |
| 93 | A Non-genetic Mechanism Involving the Integrin $\alpha 4$ /Paxillin Axis Contributes to Chemoresistance in Lung Cancer. <i>IScience</i> , 2020, 23, 101496. | 1.9 | 27 |
| 94 | 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. | 1.3 | 21 |
| 95 | Hypoxia, partial EMT and collective migration: Emerging culprits in metastasis. <i>Translational Oncology</i> , 2020, 13, 100845. | 1.7 | 125 |
| 96 | 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. | 1.1 | 43 |
| 97 | Understanding the Principles of Pattern Formation Driven by Notch Signaling by Integrating Experiments and Theoretical Models. <i>Frontiers in Physiology</i> , 2020, 11, 929. | 1.3 | 68 |
| 98 | Targeting the Id1-Kif11 Axis in Triple-Negative Breast Cancer Using Combination Therapy. <i>Biomolecules</i> , 2020, 10, 1295. | 1.8 | 7 |
| 99 | 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. | 1.8 | 92 |
| 100 | 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. | 1.9 | 17 |
| 101 | Identifying inhibitors of epithelial-mesenchymal plasticity using a network topology-based approach. <i>Npj Systems Biology and Applications</i> , 2020, 6, 15. | 1.4 | 80 |
| 102 | Cancer Stem Cell Plasticity – A Deadly Deal. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 79. | 1.6 | 106 |
| 103 | Insights into the Multi-Dimensional Dynamic Landscape of Epithelial-Mesenchymal Plasticity through Inter-Disciplinary Approaches. <i>Journal of Clinical Medicine</i> , 2020, 9, 1624. | 1.0 | 1 |
| 104 | Cellular Plasticity in Matrix-attached and -Detached Cells: Implications in Metastasis. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 525-536. | 0.9 | 2 |
| 105 | The fundamentals of phenotypic plasticity. , 2020, , 1-21. | | 5 |
| 106 | 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. | 1.8 | 13 |
| 107 | ZEB1: A Critical Regulator of Cell Plasticity, DNA Damage Response, and Therapy Resistance. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 36. | 1.6 | 112 |
| 108 | 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. | 1.3 | 18 |

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|-----|--|-----|-----------|
| 109 | Development of a precision medicine pipeline to identify personalized treatments for colorectal cancer. <i>BMC Cancer</i> , 2020, 20, 592. | 1.1 | 14 |
| 110 | Twist1 induces chromosomal instability (CIN) in colorectal cancer cells. <i>Human Molecular Genetics</i> , 2020, 29, 1673-1688. | 1.4 | 16 |
| 111 | Integrative Analysis and Machine Learning Based Characterization of Single Circulating Tumor Cells. <i>Journal of Clinical Medicine</i> , 2020, 9, 1206. | 1.0 | 42 |
| 112 | Critical Steps in Epithelial-Mesenchymal Transition as Target for Cancer Treatment. <i>Human Perspectives in Health Sciences and Technology</i> , 2020, , 213-244. | 0.2 | 2 |
| 113 | Baby Genomics: Tracing the Evolutionary Changes That Gave Rise to Placentation. <i>Genome Biology and Evolution</i> , 2020, 12, 35-47. | 1.1 | 11 |
| 114 | Comparative Study of Transcriptomics-Based Scoring Metrics for the Epithelial-Hybrid-Mesenchymal Spectrum. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 220. | 2.0 | 87 |
| 115 | Emergent Properties of the HNF4 α -PPAR β Network May Drive Consequent Phenotypic Plasticity in NAFLD. <i>Journal of Clinical Medicine</i> , 2020, 9, 870. | 1.0 | 18 |
| 116 | Editorial: Characterizing the Multi-Faceted Dynamics of Tumor Cell Plasticity. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 630276. | 1.6 | 0 |
| 117 | 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. | 1.5 | 35 |
| 118 | A mechanism for epithelial-mesenchymal heterogeneity in a population of cancer cells. <i>PLoS Computational Biology</i> , 2020, 16, e1007619. | 1.5 | 80 |
| 119 | Epigenetic feedback and stochastic partitioning during cell division can drive resistance to EMT. <i>Oncotarget</i> , 2020, 11, 2611-2624. | 0.8 | 33 |
| 120 | Manganese Porphyrin and Radiotherapy Improves Local Tumor Response and Overall Survival in Orthotopic Murine Mammary Carcinoma Models. <i>Radiation Research</i> , 2020, 195, 128-139. | 0.7 | 2 |
| 121 | Phenotypic heterogeneity in circulating tumor cells and its prognostic value in metastasis and overall survival. <i>EBioMedicine</i> , 2019, 46, 4-5. | 2.7 | 24 |
| 122 | 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. | 1.0 | 11 |
| 123 | Acute vs. Chronic vs. Cyclic Hypoxia: Their Differential Dynamics, Molecular Mechanisms, and Effects on Tumor Progression. <i>Biomolecules</i> , 2019, 9, 339. | 1.8 | 157 |
| 124 | Small Cell Lung Cancer Therapeutic Responses Through Fractal Measurements: From Radiology to Mitochondrial Biology. <i>Journal of Clinical Medicine</i> , 2019, 8, 1038. | 1.0 | 8 |
| 125 | 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. | 0.6 | 102 |
| 126 | A possible role for epigenetic feedback regulation in the dynamics of the epithelial-mesenchymal transition (EMT). <i>Physical Biology</i> , 2019, 16, 066004. | 0.8 | 81 |

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|-----|---|-----|-----------|
| 127 | 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. | 3.3 | 49 |
| 128 | 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, 1772. | 1.0 | 36 |
| 129 | Phenotypic Switching of Naïve T Cells to Immune-Suppressive Treg-Like Cells by Mutant KRAS. Journal of Clinical Medicine, 2019, 8, 1726. | 1.0 | 26 |
| 130 | A Biophysical Model Uncovers the Size Distribution of Migrating Cell Clusters across Cancer Types. Cancer Research, 2019, 79, 5527-5535. | 0.4 | 40 |
| 131 | Dynamics of Phenotypic Heterogeneity Associated with EMT and Stemness during Cancer Progression. Journal of Clinical Medicine, 2019, 8, 1542. | 1.0 | 109 |
| 132 | Quantifying Cancer Epithelial-Mesenchymal Plasticity and its Association with Stemness and Immune Response. Journal of Clinical Medicine, 2019, 8, 725. | 1.0 | 63 |
| 133 | Pharmacodynamic study of radium-223 in men with bone metastatic castration resistant prostate cancer. PLoS ONE, 2019, 14, e0216934. | 1.1 | 14 |
| 134 | Structural and Dynamical Order of a Disordered Protein: Molecular Insights into Conformational Switching of PAGE4 at the Systems Level. Biomolecules, 2019, 9, 77. | 1.8 | 19 |
| 135 | Deciphering the Dynamics of Epithelial-Mesenchymal Transition and Cancer Stem Cells in Tumor Progression. Current Stem Cell Reports, 2019, 5, 11-21. | 0.7 | 27 |
| 136 | E-Cadherin Represses Anchorage-Independent Growth in Sarcomas through Both Signaling and Mechanical Mechanisms. Molecular Cancer Research, 2019, 17, 1391-1402. | 1.5 | 35 |
| 137 | Spleen Tyrosine Kinase-Mediated Autophagy Is Required for Epithelial-Mesenchymal Plasticity and Metastasis in Breast Cancer. Cancer Research, 2019, 79, 1831-1843. | 0.4 | 95 |
| 138 | Computational Modeling of the Crosstalk Between Macrophage Polarization and Tumor Cell Plasticity in the Tumor Microenvironment. Frontiers in Oncology, 2019, 9, 10. | 1.3 | 55 |
| 139 | An Integrative Systems Biology and Experimental Approach Identifies Convergence of Epithelial Plasticity, Metabolism, and Autophagy to Promote Chemoresistance. Journal of Clinical Medicine, 2019, 8, 205. | 1.0 | 17 |
| 140 | Anticipating critical transitions in epithelial-hybrid-mesenchymal cell-fate determination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26343-26352. | 3.3 | 32 |
| 141 | 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. | 3.3 | 238 |
| 142 | Testing the gene expression classification of the EMT spectrum. Physical Biology, 2019, 16, 025002. | 0.8 | 35 |
| 143 | Quantitative Characteristic of ncRNA Regulation in Gene Regulatory Networks. Methods in Molecular Biology, 2019, 1912, 341-366. | 0.4 | 3 |
| 144 | The DNA walk and its demonstration of deterministic chaos-relevance to genomic alterations in lung cancer. Bioinformatics, 2019, 35, 2738-2748. | 1.8 | 8 |

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|-----|--|-----|-----------|
| 145 | Stability and mean residence times for hybrid epithelial/mesenchymal phenotype. <i>Physical Biology</i> , 2019, 16, 025003. | 0.8 | 46 |
| 146 | Hybrid epithelial/mesenchymal phenotypes promote metastasis and therapy resistance across carcinomas. , 2019, 194, 161-184. | | 244 |
| 147 | Computational Modeling of Collective Cell Migration: Mechanical and Biochemical Aspects. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1146, 1-11. | 0.8 | 7 |
| 148 | Abstract 2783: <i>OMICS</i> analysis of breast cancer PDX tumors to determine CTC-cluster-specific signature in predicting breast cancer metastasis. , 2019, , . | | 0 |
| 149 | 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. | 0.4 | 45 |
| 150 | Epithelial \rightarrow mesenchymal transition, a spectrum of states: Role in lung development, homeostasis, and disease. <i>Developmental Dynamics</i> , 2018, 247, 346-358. | 0.8 | 190 |
| 151 | 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. | 1.0 | 10 |
| 152 | Chronic Obstructive Pulmonary Disease and Lung Cancer: Underlying Pathophysiology and New Therapeutic Modalities. <i>Drugs</i> , 2018, 78, 1717-1740. | 4.9 | 62 |
| 153 | Interconnected feedback loops among ESRP1, HAS2, and CD44 regulate epithelial-mesenchymal plasticity in cancer. <i>APL Bioengineering</i> , 2018, 2, 031908. | 3.3 | 71 |
| 154 | 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. | 1.3 | 15 |
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