

Zhixiang Wang

List of Publications by Year in descending order

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91
papers

4,718
citations

147801

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102487

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docs citations

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times ranked

7579
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Epidermal Growth Factor Receptor Cell Proliferation Signaling Pathways. <i>Cancers</i> , 2017, 9, 52. | 3.7 | 1,153 |
| 2 | ErbB Receptors and Cancer. <i>Methods in Molecular Biology</i> , 2017, 1652, 3-35. | 0.9 | 283 |
| 3 | Endosomal Signaling of Epidermal Growth Factor Receptor Stimulates Signal Transduction Pathways Leading to Cell Survival. <i>Molecular and Cellular Biology</i> , 2002, 22, 7279-7290. | 2.3 | 253 |
| 4 | Sorafenib maintenance in patients with FLT3-ITD acute myeloid leukaemia undergoing allogeneic haematopoietic stem-cell transplantation: an open-label, multicentre, randomised phase 3 trial. <i>Lancet Oncology</i> , 2020, 21, 1201-1212. | 10.7 | 209 |
| 5 | Endocytosis Deficiency of Epidermal Growth Factor (EGF) Receptorâ€“ErbB2 Heterodimers in Response to EGF Stimulation. <i>Molecular Biology of the Cell</i> , 1999, 10, 1621-1636. | 2.1 | 170 |
| 6 | Grb2 and Shc Adapter Proteins Play Distinct Roles in Neu (ErbB-2)-Induced Mammary Tumorigenesis: Implications for Human Breast Cancer. <i>Molecular and Cellular Biology</i> , 2001, 21, 1540-1551. | 2.3 | 147 |
| 7 | The Mode of Action of Taxol: Apoptosis at Low Concentration and Necrosis at High Concentration. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 398-404. | 2.1 | 144 |
| 8 | Enhanced Drug Resistance in Cells Coexpressing ErbB2 with EGF Receptor or ErbB3. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 757-763. | 2.1 | 131 |
| 9 | Control of epidermal growth factor receptor endocytosis by receptor dimerization, rather than receptor kinase activation. <i>EMBO Reports</i> , 2005, 6, 942-948. | 4.5 | 129 |
| 10 | Platelet-derived Growth Factor Receptor-mediated Signal Transduction from Endosomes. <i>Journal of Biological Chemistry</i> , 2004, 279, 8038-8046. | 3.4 | 123 |
| 11 | The Relationship between Clinical Feature, Complex Immunophenotype, Chromosome Karyotype, and Outcome of Patients with Acute Myeloid Leukemia in China. <i>Disease Markers</i> , 2015, 2015, 1-10. | 1.3 | 120 |
| 12 | Mechanisms Underlying the Action and Synergism of Trastuzumab and Pertuzumab in Targeting HER2-Positive Breast Cancer. <i>Cancers</i> , 2018, 10, 342. | 3.7 | 109 |
| 13 | Transactivation of Epidermal Growth Factor Receptor by G Protein-Coupled Receptors: Recent Progress, Challenges and Future Research. <i>International Journal of Molecular Sciences</i> , 2016, 17, 95. | 4.1 | 99 |
| 14 | Requirement for Phospholipase C- β 1 Enzymatic Activity in Growth Factor-Induced Mitogenesis. <i>Molecular and Cellular Biology</i> , 1998, 18, 590-597. | 2.3 | 98 |
| 15 | Stimulation of Cell Proliferation by Endosomal Epidermal Growth Factor Receptor As Revealed through Two Distinct Phases of Signaling. <i>Molecular and Cellular Biology</i> , 2003, 23, 5803-5815. | 2.3 | 93 |
| 16 | Genetics and Expression Profile of the Tubulin Gene Superfamily in Breast Cancer Subtypes and Its Relation to Taxane Resistance. <i>Cancers</i> , 2018, 10, 274. | 3.7 | 83 |
| 17 | A Tale of Two Cbls: Interplay of c-Cbl and Cbl-b in Epidermal Growth Factor Receptor Downregulation. <i>Molecular and Cellular Biology</i> , 2008, 28, 3020-3037. | 2.3 | 78 |
| 18 | Regulation of Cell Cycle Progression by Growth Factor-Induced Cell Signaling. <i>Cells</i> , 2021, 10, 3327. | 4.1 | 76 |

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|----|--|-----|-----------|
| 19 | PLC- β 1 and Rac1 Coregulate EGF-Induced Cytoskeleton Remodeling and Cell Migration. <i>Molecular Endocrinology</i> , 2009, 23, 901-913. | 3.7 | 68 |
| 20 | HER2 in Breast Cancer Stemness: A Negative Feedback Loop towards Trastuzumab Resistance. <i>Cancers</i> , 2017, 9, 40. | 3.7 | 60 |
| 21 | Gli-1/PI3K/AKT/NF- κ B pathway mediates resistance to radiation and is a target for reversion of responses in refractory acute myeloid leukemia cells. <i>Oncotarget</i> , 2016, 7, 33004-33015. | 1.8 | 59 |
| 22 | Akt Binds to and Phosphorylates Phospholipase C- β 1 in Response to Epidermal Growth Factor. <i>Molecular Biology of the Cell</i> , 2006, 17, 2267-2277. | 2.1 | 58 |
| 23 | Multiple mechanisms underlying acquired resistance to taxanes in selected docetaxel-resistant MCF-7 breast cancer cells. <i>BMC Cancer</i> , 2014, 14, 37. | 2.6 | 58 |
| 24 | Trastuzumab Mechanism of Action; 20 Years of Research to Unravel a Dilemma. <i>Cancers</i> , 2021, 13, 3540. | 3.7 | 50 |
| 25 | Post-Translational Modification and Subcellular Distribution of Rac1: An Update. <i>Cells</i> , 2018, 7, 263. | 4.1 | 47 |
| 26 | Regulation of epidermal growth factor receptor endocytosis by wortmannin through activation of Rab5 rather than inhibition of phosphatidylinositol 3-kinase. <i>EMBO Reports</i> , 2001, 2, 842-849. | 4.5 | 46 |
| 27 | Phosphorylation of Rac1 T108 by Extracellular Signal-Regulated Kinase in Response to Epidermal Growth Factor: a Novel Mechanism To Regulate Rac1 Function. <i>Molecular and Cellular Biology</i> , 2013, 33, 4538-4551. | 2.3 | 46 |
| 28 | Identification of EGF receptor C-terminal sequences 1005-1017 and di-leucine motif 1010LL1011 as essential in EGF receptor endocytosis. <i>Experimental Cell Research</i> , 2007, 313, 3349-3363. | 2.6 | 42 |
| 29 | Phosphorylation and Activation of RhoA by ERK in Response to Epidermal Growth Factor Stimulation. <i>PLoS ONE</i> , 2016, 11, e0147103. | 2.5 | 40 |
| 30 | EGF stimulates the activation of EGF receptors and the selective activation of major signaling pathways during mitosis. <i>Cellular Signalling</i> , 2015, 27, 638-651. | 3.6 | 38 |
| 31 | Identification of Novel Molecular Markers for Prognosis Estimation of Acute Myeloid Leukemia: Over-Expression of PDCD7, FIS1 and Ang2 May Indicate Poor Prognosis in Pretreatment Patients with Acute Myeloid Leukemia. <i>PLoS ONE</i> , 2014, 9, e84150. | 2.5 | 33 |
| 32 | The effects of trastuzumab on HER2-mediated cell signaling in CHO cells expressing human HER2. <i>BMC Cancer</i> , 2018, 18, 238. | 2.6 | 33 |
| 33 | Differential Regulation of Transcription Factors by Location-Specific EGF Receptor Signaling via a Spatio-Temporal Interplay of ERK Activation. <i>PLoS ONE</i> , 2012, 7, e41354. | 2.5 | 32 |
| 34 | Angioregulatory microRNAs in Colorectal Cancer. <i>Cancers</i> , 2020, 12, 71. | 3.7 | 31 |
| 35 | Interaction between Rho GTPases and 14-3-3 Proteins. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2148. | 4.1 | 29 |
| 36 | Internalization of Inactive EGF Receptor into Endosomes and the Subsequent Activation of Endosome-Associated EGF Receptors. <i>Science Signaling</i> , 2002, 2002, pl17-pl17. | 3.6 | 27 |

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|----|--|-----|-----------|
| 37 | Regulation of EGF-stimulated EGF Receptor Endocytosis During M Phase. <i>Traffic</i> , 2011, 12, 201-217. | 2.7 | 27 |
| 38 | The hypomethylating agent decitabine prior to chemotherapy improves the therapy efficacy in refractory/relapsed acute myeloid leukemia patients. <i>Oncotarget</i> , 2015, 6, 33612-33622. | 1.8 | 26 |
| 39 | Dimerization drives EGF receptor endocytosis through two sets of compatible endocytic codes. <i>Journal of Cell Science</i> , 2015, 128, 935-50. | 2.0 | 21 |
| 40 | Dimerization drives PDGF receptor endocytosis through a C-terminal hydrophobic motif shared by EGF receptor. <i>Experimental Cell Research</i> , 2010, 316, 2237-2250. | 2.6 | 20 |
| 41 | MicroRNA-31 Function as a Suppressor Was Regulated by Epigenetic Mechanisms in Gastric Cancer. <i>BioMed Research International</i> , 2017, 2017, 1-11. | 1.9 | 20 |
| 42 | Sensitivity of docetaxel-resistant MCF-7 breast cancer cells to microtubule-destabilizing agents including vinca alkaloids and colchicine-site binding agents. <i>PLoS ONE</i> , 2017, 12, e0182400. | 2.5 | 19 |
| 43 | The chloride intracellular channel 5A stimulates podocyte Rac1, protecting against hypertension-induced glomerular injury. <i>Kidney International</i> , 2016, 89, 833-847. | 5.2 | 18 |
| 44 | Polyethylenimine-coated iron oxide magnetic nanoparticles for high efficient gene delivery. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 811-821. | 3.1 | 18 |
| 45 | The Effects of Pertuzumab and Its Combination with Trastuzumab on HER2 Homodimerization and Phosphorylation. <i>Cancers</i> , 2019, 11, 375. | 3.7 | 18 |
| 46 | Differential Subcellular Distribution and Translocation of Seven 14-3-3 Isoforms in Response to EGF and During the Cell Cycle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 318. | 4.1 | 18 |
| 47 | Regulation of EGFR Endocytosis by CBL During Mitosis. <i>Cells</i> , 2018, 7, 257. | 4.1 | 16 |
| 48 | Metagenomic next-generation sequencing for identifying pathogens in central nervous system complications after allogeneic hematopoietic stem cell transplantation. <i>Bone Marrow Transplantation</i> , 2021, 56, 1978-1983. | 2.4 | 14 |
| 49 | Amyloid precursor protein cooperates with c-KIT mutation/overexpression to regulate cell apoptosis in AML1-ETO-positive leukemia via the PI3K/AKT signaling pathway. <i>Oncology Reports</i> , 2016, 36, 1626-1632. | 2.6 | 12 |
| 50 | Cell Cycle Synchronization of HeLa Cells to Assay EGFR Pathway Activation. <i>Methods in Molecular Biology</i> , 2017, 1652, 167-181. | 0.9 | 12 |
| 51 | Suppressing Hedgehog signaling reverses drug resistance of refractory acute myeloid leukemia. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 7477-7488. | 2.0 | 12 |
| 52 | Rac1 S71 Mediates the Interaction between Rac1 and 14-3-3 Proteins. <i>Cells</i> , 2019, 8, 1006. | 4.1 | 12 |
| 53 | Phospholipase C- \hat{A} 1: A Phospholipase and Guanine Nucleotide Exchange Factor. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2002, 2, 352-355. | 3.4 | 12 |
| 54 | Higher EZH2 expression is associated with extramedullary infiltration in acute myeloid leukemia. <i>Tumor Biology</i> , 2016, 37, 11409-11420. | 1.8 | 10 |

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|----|--|-----|-----------|
| 55 | Non-Ligand-Induced Dimerization is Sufficient to Initiate the Signalling and Endocytosis of EGF Receptor. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1200. | 4.1 | 9 |
| 56 | MicroRNA-144 targets APP to regulate AML1/ETO+ leukemia cell migration via the ERK/Myc/MMP2 pathway. <i>Oncology Letters</i> , 2019, 18, 2034-2042. | 1.8 | 9 |
| 57 | Comparison of Two Strategies for Prophylactic Donor Lymphocyte Infusion in Patients With Refractory/Relapsed Acute Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 554503. | 2.8 | 8 |
| 58 | Early T-Cell Precursor Leukemia Has a Higher Risk of Induction-Related Infection among T-Cell Acute Lymphoblastic Leukemia in Adult. <i>Mediators of Inflammation</i> , 2020, 2020, 1-10. | 3.0 | 8 |
| 59 | Amyloid precursor protein has clinical and prognostic significance in AML1-ETO-positive acute myeloid leukemia. <i>Oncology Letters</i> , 2018, 15, 917-925. | 1.8 | 7 |
| 60 | Inhibition of EZH2 by chidamide exerts antileukemia activity and increases chemosensitivity through Smo/Gli-1 pathway in acute myeloid leukemia. <i>Journal of Translational Medicine</i> , 2021, 19, 117. | 4.4 | 7 |
| 61 | Hh/IGF-1R/PI3K/Akt/MRP1 Pathway Induce Refractory Acute Myeloid Leukemia and Its Targeting Therapy. <i>Blood</i> , 2014, 124, 3612-3612. | 1.4 | 7 |
| 62 | Analysis of Epidermal Growth Factor Receptor-Induced Cell Motility by Wound Healing Assay. <i>Methods in Molecular Biology</i> , 2017, 1652, 159-163. | 0.9 | 6 |
| 63 | Upfront transplantation may have better outcomes than pretransplant cytoreductive therapy for treating patients with MDS-1 or MDS-2. <i>International Journal of Cancer</i> , 2021, 149, 1109-1120. | 5.1 | 6 |
| 64 | Epigenetic Silencing of HER2 Expression during Epithelial-Mesenchymal Transition Leads to Trastuzumab Resistance in Breast Cancer. <i>Life</i> , 2021, 11, 868. | 2.4 | 6 |
| 65 | A phase 2 study of sorafenib combined with conventional therapies in refractory central nervous system leukemia. <i>Cancer</i> , 2022, , . | 4.1 | 5 |
| 66 | A potential anticancer ability of 1,2-di(quinazolin-4-yl)diselane against gastric cancer cells through ROS signaling pathway. <i>Medicinal Chemistry Research</i> , 2017, 26, 841-848. | 2.4 | 4 |
| 67 | Combination of Homoharringtonine with Venetoclax and Azacitidine Exerts Better Treatment Response in Relapsed /Refractory Acute Myeloid Leukemia. <i>Blood</i> , 2020, 136, 26-27. | 1.4 | 4 |
| 68 | Mutual Regulation of Receptor-Mediated Cell Signalling and Endocytosis: EGF Receptor System as an Example. , 0, , . | | 3 |
| 69 | Application of Immunofluorescence Staining to Study ErbB Family of Receptor Tyrosine Kinases. <i>Methods in Molecular Biology</i> , 2017, 1652, 109-116. | 0.9 | 3 |
| 70 | Dimerization Assessment of Epithelial Growth Factor Family of Receptor Tyrosine Kinases by Using Cross-Linking Reagent. <i>Methods in Molecular Biology</i> , 2017, 1652, 101-108. | 0.9 | 3 |
| 71 | Palliative chemotherapy followed by methylation inhibitor in high-risk acute myeloid leukemia: An in vitro and clinical study. <i>Molecular and Clinical Oncology</i> , 2015, 3, 1139-1144. | 1.0 | 2 |
| 72 | Personalized medicine for HER2-positive breast cancer. <i>Breast Cancer Management</i> , 2015, 4, 237-240. | 0.2 | 2 |

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|----|--|-----|-----------|
| 73 | Live Imaging to Study Microtubule Dynamic Instability in Taxane-resistant Breast Cancers. <i>Journal of Visualized Experiments</i> , 2017, , . | 0.3 | 2 |
| 74 | Ultrasound-assisted magnetic nanoparticle-based gene delivery. <i>PLoS ONE</i> , 2020, 15, e0239633. | 2.5 | 2 |
| 75 | Drug Resistance and Novel Therapies in Cancers. <i>Cancers</i> , 2020, 12, 2929. | 3.7 | 2 |
| 76 | Regulation of the nuclear speckle localization and function of Rac1. <i>FASEB Journal</i> , 2021, 35, e21235. | 0.5 | 2 |
| 77 | Drug Resistance and Novel Therapies in Cancers in 2019. <i>Cancers</i> , 2021, 13, 924. | 3.7 | 2 |
| 78 | Cidofovir, a choice for salvage treatment of cytomegalovirus infection in patients with haploidentical hematopoietic stem cell transplantation. <i>Transplant Infectious Disease</i> , 2022, 24, . | 1.7 | 2 |
| 79 | Two-Pulse Endosomal Stimulation of Receptor Tyrosine Kinases Induces Cell Proliferation. <i>Methods in Molecular Biology</i> , 2017, 1652, 127-133. | 0.9 | 1 |
| 80 | Activation of Endosome-Associated Inert EGF Receptor Following Internalization. <i>Methods in Molecular Biology</i> , 2017, 1652, 117-126. | 0.9 | 1 |
| 81 | An In Vitro Kinase Assay to Assess Rac1 Phosphorylation by ERK. <i>Methods in Molecular Biology</i> , 2018, 1821, 131-140. | 0.9 | 1 |
| 82 | Study of EGFR Signaling/Endocytosis by Site-Directed Mutagenesis. <i>Methods in Molecular Biology</i> , 2017, 1652, 135-143. | 0.9 | 0 |
| 83 | Molecular Mechanism Of Regulation Of Extramedullary Infiltration In AML1/ETO Positive Acute Myeloid Leukemia By APP/ERK/MMP-2. <i>Blood</i> , 2013, 122, 3769-3769. | 1.4 | 0 |
| 84 | The EGF receptor is activated during mitosis and its cell signaling is mediated differently than in interphase (802.13). <i>FASEB Journal</i> , 2014, 28, 802.13. | 0.5 | 0 |
| 85 | Decitabine Act As Demethylation Modulators in Acute Myeloid Leukemia for Reversal of Drug Resistance. <i>Blood</i> , 2014, 124, 5218-5218. | 1.4 | 0 |
| 86 | APP Gene Is Correlated with C-KIT Mutations and Indicates Poor Disease Outcome in AML1-ETO-Positive Acute Myeloid Leukemia. <i>Blood</i> , 2014, 124, 942-942. | 1.4 | 0 |
| 87 | The Hypomethylating Agent Decitabine Prior to Chemotherapy Improves the Therapy Efficacy in Refractory/Relapsed Acute Myeloid Leukemia Patients. <i>Blood</i> , 2015, 126, 4932-4932. | 1.4 | 0 |
| 88 | APP Gene Involves in the Regulation of Cell Apoptosis in AML1-ETO-Positive Leukemia Via SCF/c-Kit Signaling Pathway. <i>Blood</i> , 2015, 126, 3647-3647. | 1.4 | 0 |
| 89 | The Efficacy and Safety of Cidofovir in Salvage Therapy for CMV Infection in the Patients with Haploid Hematopoietic Stem Cell Transplantation. <i>Blood</i> , 2019, 134, 5659-5659. | 1.4 | 0 |
| 90 | IKZF1 deletions Coupled with CD20 Expression Represents a Novel High-Risk Subtype in Adult B-Cell Progenitor Acute Lymphoblastic Leukemia. <i>Blood</i> , 2021, 138, 4474-4474. | 1.4 | 0 |

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|----|--|-----|-----------|
| 91 | Prophylactic Donor Lymphocyte Infusion Based on Two Different Time for Preventing Relapse in Advanced Acute Leukemia Undergoing Allo-HSCT: Comparison of Two Independent Prospective Cohorts. Blood, 2020, 136, 7-8. | 1.4 | 0 |