

CITATION REPORT

List of articles citing

MAP kinases and cell migration

DOI: 10.1242/jcs.01481

Journal of Cell Science, 2004, 117, 4619-28.

Source: <https://exaly.com/paper-pdf/37413228/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
926	M-RIP, a novel target of JNK signaling and a requirement for human cancer cell invasion. 1998 , 22, 199		1
925	Oncogenic Ras in tumour progression and metastasis. 2005 , 386, 193-205		213
924	NCAM140 stimulates integrin-dependent cell migration by ectodomain shedding. 2005 , 95, 1777-84		42
923	Coordinating ERK/MAPK signalling through scaffolds and inhibitors. 2005 , 6, 827-37		843
922	Cytoskeletal remodeling in vascular smooth muscle cells in response to angiotensin II-induced activation of the SHP-2 tyrosine phosphatase. 2005 , 205, 402-13		15
921	The antiangiogenic tissue kallikrein pattern of endothelial cells in systemic sclerosis. 2005 , 52, 3618-28		51
920	Nerve growth factor activates aorta endothelial cells causing PI3K/Akt- and ERK-dependent migration. 2005 , 450, 355-61		40
919	Involvement of c-Jun N-terminal kinase in rF1 mediated activation of murine peritoneal macrophages in vitro. 2005 , 25, 215-23		9
918	Cortactin overexpression inhibits ligand-induced down-regulation of the epidermal growth factor receptor. 2005 , 65, 3273-80		72
917	JSAP1/JIP3 cooperates with focal adhesion kinase to regulate c-Jun N-terminal kinase and cell migration. 2005 , 280, 37772-81		57
916	Modeling of signal-response cascades using decision tree analysis. 2005 , 21, 2027-35		52
915	Rise and Fall of Epithelial Phenotype. 2005 ,		3
914	Signal-crosstalk between Rho/ROCK and c-Jun NH2-terminal kinase mediates migration of vascular smooth muscle cells stimulated by angiotensin II. 2005 , 25, 1831-6		106
913	N-cadherin-mediated cell motility requires cis dimers. 2005 , 12, 23-39		18
912	TGF beta-induced focal complex formation in epithelial cells is mediated by activated ERK and JNK MAP kinases and is independent of Smad4. 2005 , 386, 225-36		48
911	MAP1B phosphorylation is differentially regulated by Cdk5/p35, Cdk5/p25, and JNK. 2005 , 331, 50-5		79
910	The CXCR1 tail mediates beta1 integrin-dependent cell migration via MAP kinase signaling. 2005 , 332, 117-25		12

909	Activation of mitogen-activated protein kinase is required for migration and invasion of placental site trophoblastic tumor. 2005 , 167, 879-85		20
908	TGF-beta3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. 2005 , 280, 321-43		90
907	The duration, magnitude and compartmentalization of ERK MAP kinase activity: mechanisms for providing signaling specificity. <i>Journal of Cell Science</i> , 2005 , 118, 2997-3002	5:3	269
906	Lactoferrin promotes collagen gel contractile activity of fibroblasts mediated by lipoprotein receptors. 2006 , 84, 268-74		13
905	Galectin-8 binds specific beta1 integrins and induces polarized spreading highlighted by asymmetric lamellipodia in Jurkat T cells. 2006 , 312, 374-86		64
904	Dissociation of ERK and Akt signaling in endothelial cell angiogenic responses to beta-amyloid. 2006 , 312, 996-1010		18
903	Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. 2006 , 312, 1381-9		85
902	JNK phosphorylation of paxillin, acting through the Rac1 and Cdc42 signaling cascade, mediates neurite extension in N1E-115 cells. 2006 , 312, 2954-61		37
901	Cooperation of matrix metalloproteinases with the RhoA/Rho kinase and mitogen-activated protein kinase kinase-1/extracellular signal-regulated kinase signaling pathways is required for the sphingosine-1-phosphate-induced mobilization of marrow-derived stromal cells. 2006 , 24, 2557-65		71
900	Cyanidin-3-glucoside, a natural product derived from blackberry, exhibits chemopreventive and chemotherapeutic activity. 2006 , 281, 17359-17368		216
899	JNK2 is a positive regulator of the cJun transcription factor. 2006 , 23, 899-911		136
898	Glial cell-derived neurotrophic factor (GDNF) promotes low-grade Hs683 glioma cell migration through JNK, ERK-1/2 and p38 MAPK signaling pathways. 2006 , 56, 29-38		50
897	Anthrax toxins: A paradigm of bacterial immune suppression. 2006 , 27, 434-40		136
896	Expression of Myosin Light Chain Kinase in Kidney of Streptozotocin-Induced Diabetic Rats. 2006 , 7, 510-518		1
895	PD98059-inhibited invasion of Dunning rat prostate cancer cells involves suppression of motility but not MMP-2 or uPA secretion. 2006 , 15, 1605		
894	The role of scaffold proteins in MEK/ERK signalling. 2006 , 34, 833-6		55
893	Rho GTPase CDC42 regulates directionality and random movement via distinct MAPK pathways in neutrophils. 2006 , 108, 4205-13		85
892	Isoginkgetin inhibits tumor cell invasion by regulating phosphatidylinositol 3-kinase/Akt-dependent matrix metalloproteinase-9 expression. 2006 , 5, 2666-75		75

891	c-Jun N-terminal kinase contributes to norepinephrine-induced contraction through phosphorylation of caldesmon in rat aortic smooth muscle. 2006 , 100, 119-25		25
890	Moving on: Molecular mechanisms in TGF β induced epithelial cell migration. 2006 , 6, 355-364		8
889	High-level expression, activation, and subcellular localization of p38-MAP kinase in thyroid neoplasms. 2006 , 209, 298-306		45
888	FilGAP, a Rho- and ROCK-regulated GAP for Rac binds filamin A to control actin remodelling. 2006 , 8, 803-14		289
887	Tumour-mediated upregulation of chemoattractants and recruitment of myeloid cells predetermines lung metastasis. 2006 , 8, 1369-75		793
886	CAP interacts with cytoskeletal proteins and regulates adhesion-mediated ERK activation and motility. 2006 , 25, 5284-93		43
885	MEKK1 controls matrix degradation and tumor cell dissemination during metastasis of polyoma middle-T driven mammary cancer. 2006 , 25, 4998-5010		54
884	Acquisition of chemoresistance following discontinuous exposures to cisplatin is associated in ovarian carcinoma cells with progressive alteration of FAK, ERK and p38 activation in response to treatment. 2006 , 101, 507-19		47
883	Oncogenic K-Ras down-regulates Rac1 and RhoA activity and enhances migration and invasion of pancreatic carcinoma cells through activation of p38. <i>Cellular Signalling</i> , 2006 , 18, 1156-68	4-9	47
882	Regulation of stretch-induced JNK activation by stress fiber orientation. <i>Cellular Signalling</i> , 2006 , 18, 1924-31	4-9	94
881	CrkL plays a role in SDF-1-induced activation of the Raf-1/MEK/Erk pathway through Ras and Rac to mediate chemotactic signaling in hematopoietic cells. <i>Cellular Signalling</i> , 2006 , 18, 2162-71	4-9	25
880	MovinQn up: the role of PtdIns(4,5)P(2) in cell migration. 2006 , 16, 276-84		122
879	Roles for phosphoinositide 3-kinases, BrutonQ tyrosine kinase, and Jun kinases in B lymphocyte chemotaxis and homing. 2006 , 36, 1285-95		49
878	Dominant-negative Rac increases both inherent and ionizing radiation-induced cell migration in C6 rat glioma cells. 2006 , 118, 2056-63		31
877	Cooperative regulation of extracellular signal-regulated kinase activation and cell shape change by filamin A and beta-arrestins. 2006 , 26, 3432-45		113
876	Plectin-controlled keratin cytoarchitecture affects MAP kinases involved in cellular stress response and migration. 2006 , 174, 557-68		129
875	Phospholipase D and extracellular signal-regulated kinase in hepatic stellate cells: effects of platelet-derived growth factor and extracellular nucleotides. 2006 , 291, G977-86		10
874	Angiotensin II regulates vascular and endothelial dysfunction: recent topics of Angiotensin II type-1 receptor signaling in the vasculature. 2006 , 4, 67-78		110

873	Activation of DNA methyltransferase 1 by EBV LMP1 Involves c-Jun NH(2)-terminal kinase signaling. 2006 , 66, 11668-76	189
872	Effect of WAVE2 phosphorylation on activation of the Arp2/3 complex. 2007 , 141, 319-25	32
871	Involvement of cAMP-response element binding protein-1 in arachidonic acid-induced vascular smooth muscle cell motility. 2006 , 47, 767-77	22
870	Targeted mutation of serine 697 in the Ret tyrosine kinase causes migration defect of enteric neural crest cells. 2006 , 133, 4507-16	76
869	Loss of Nrdp1 enhances ErbB2/ErbB3-dependent breast tumor cell growth. 2006 , 66, 11279-86	70
868	Rhamm ^{-/-} fibroblasts are defective in CD44-mediated ERK1,2 mitogenic signaling, leading to defective skin wound repair. 2006 , 175, 1017-28	122
867	Cell migration activated by platelet-derived growth factor receptor is blocked by an inverse agonist of the sphingosine 1-phosphate receptor-1. 2006 , 20, 509-11	76
866	Reactive oxygen species mediated sustained activation of protein kinase C alpha and extracellular signal-regulated kinase for migration of human hepatoma cell Hepg2. 2006 , 4, 747-58	102
865	Rac1 signalling in the Drosophila larval cellular immune response. <i>Journal of Cell Science</i> , 2006 , 119, 2015-34	93
864	An inherent role of integrin-linked kinase-estrogen receptor alpha interaction in cell migration. 2006 , 66, 11030-8	38
863	Focal adhesions: paradigm for a signaling nexus. 2006 , 98, 606-16	211
862	A small interfering RNA screen for modulators of tumor cell motility identifies MAP4K4 as a promigratory kinase. 2006 , 103, 3775-80	148
861	Active stress kinases in proliferating endothelial cells associated with cytoskeletal structures. 2006 , 13, 157-70	12
860	c-Jun N-terminal kinase is necessary for platelet-derived growth factor-mediated chemotaxis in primary fibroblasts. 2006 , 281, 22173-22179	29
859	Prostaglandin E2-EP4 receptor promotes endothelial cell migration via ERK activation and angiogenesis in vivo. 2007 , 282, 16959-68	105
858	Promotion of cancer cell migration: an insulin-like growth factor (IGF)-independent action of IGF-binding protein-6. 2007 , 282, 22298-306	54
857	Modulation of F-actin rearrangement by the cyclic AMP/cAMP-dependent protein kinase (PKA) pathway is mediated by MAPK-activated protein kinase 5 and requires PKA-induced nuclear export of MK5. 2007 , 282, 37232-43	48
856	Chemoattraction of macrophages, T lymphocytes, and mast cells is evolutionarily conserved within the human alpha-defensin family. 2007 , 179, 3958-65	133

855	Regulation of platelet-derived growth factor receptor activation by afadin through SHP-2: implications for cellular morphology. 2007 , 282, 37815-25		39
854	Down-regulation of ERK but not MEK phosphorylation in cultured endothelial cells by repeated changes in cyclic stretch. 2007 , 73, 813-22		19
853	Supervillin slows cell spreading by facilitating myosin II activation at the cell periphery. <i>Journal of Cell Science</i> , 2007 , 120, 3792-803	5-3	44
852	Syk contributes to PDGF-BB-mediated migration of rat aortic smooth muscle cells via MAPK pathways. 2007 , 74, 159-68		55
851	Regulation of innate immunity by MAPK dual-specificity phosphatases: knockout models reveal new tricks of old genes. 2007 , 81, 860-9		56
850	The atypical Rho family GTPase Wrch-1 regulates focal adhesion formation and cell migration. <i>Journal of Cell Science</i> , 2007 , 120, 1927-34	5-3	48
849	AMPA antagonists inhibit the extracellular signal regulated kinase pathway and suppress lung cancer growth. 2007 , 6, 1908-15		27
848	Signaling complexes associated with the type I gonadotropin-releasing hormone (GnRH) receptor: colocalization of extracellularly regulated kinase 2 and GnRH receptor within membrane rafts. 2007 , 21, 538-49		36
847	PRL3 promotes cell invasion and proliferation by down-regulation of Csk leading to Src activation. 2007 , 282, 5413-9		125
846	The chemokine SDF1 controls multiple steps of myogenesis through atypical PKCzeta. <i>Journal of Cell Science</i> , 2007 , 120, 4050-9	5-3	50
845	Extracellular signal-regulated kinase/mitogen-activated protein kinase regulates actin organization and cell motility by phosphorylating the actin cross-linking protein EPLIN. 2007 , 27, 8190-204		58
844	Mechanisms of vascular smooth muscle cell migration. 2007 , 100, 607-21		325
843	EGF-receptor-mediated mammary epithelial cell migration is driven by sustained ERK signaling from autocrine stimulation. <i>Journal of Cell Science</i> , 2007 , 120, 3688-99	5-3	77
842	15(S)-HETE production in human retinal microvascular endothelial cells by hypoxia: Novel role for MEK1 in 15(S)-HETE induced angiogenesis. 2007 , 48, 4930-8		38
841	Microtubule-destabilizing agents induce focal adhesion structure disorganization and anoikis in cancer cells. 2007 , 320, 853-64		31
840	Somatic excision demonstrates that c-Jun induces cellular migration and invasion through induction of stem cell factor. 2007 , 27, 1356-69		27
839	Signal-transducing adaptor protein-2 regulates integrin-mediated T cell adhesion through protein degradation of focal adhesion kinase. 2007 , 179, 2397-407		40
838	PEA-15 inhibits tumor cell invasion by binding to extracellular signal-regulated kinase 1/2. 2007 , 67, 1536-44		54

837	Beta1,4-N-acetylgalactosaminyltransferase III enhances malignant phenotypes of colon cancer cells. 2007 , 5, 543-52	31
836	Smad4-independent TGF-beta signaling in tumor cell migration. 2007 , 185, 123-30	47
835	Hic-5 promotes endothelial cell migration to lysophosphatidic acid. 2007 , 293, H193-203	26
834	IL-1beta stimulates rat cardiac fibroblast migration via MAP kinase pathways. 2007 , 292, H1139-47	93
833	A spatial and temporal map of FGF/Erk1/2 activity and response repertoires in the early chick embryo. 2007 , 302, 536-52	110
832	Polarized signaling endosomes coordinate BDNF-induced chemotaxis of cerebellar precursors. 2007 , 55, 53-68	124
831	Regulation of mitogen-activated protein kinase pathways by the plasma membrane Na ⁺ /H ⁺ exchanger, NHE1. 2007 , 462, 195-201	39
830	Ionising radiation induces changes associated with epithelial-mesenchymal transdifferentiation and increased cell motility of A549 lung epithelial cells. 2007 , 43, 1214-24	108
829	siRNA targeted against HAB18G/CD147 inhibits MMP-2 secretion, actin and FAK expression in hepatocellular carcinoma cell line via ERK1/2 pathway. 2007 , 247, 336-44	41
828	From cell signaling to cancer therapy. 2007 , 28, 1494-8	10
827	The JNK pathway and neuronal migration. 2007 , 34, 957-65	14
826	Chimeric vitronectin:insulin-like growth factor proteins enhance cell growth and migration through co-activation of receptors. 2007 , 25, 295-308	30
825	Roles of Membrane-type 1 Matrix Metalloproteinase in Tumor Invasion and Progression. 2007 , 49, 120-127	1
824	PI3K and Erk MAPK mediate ErbB signaling in Xenopus gastrulation. 2007 , 124, 657-67	18
823	Emodin suppression of ocular surface inflammatory reaction. 2007 , 48, 5013-22	47
822	Differential calreticulin expression affects focal contacts via the calmodulin/CaMK II pathway. 2007 , 213, 269-77	21
821	Elf5 is an epithelium-specific, fibroblast growth factor-sensitive transcription factor in the embryonic lung. 2007 , 236, 1175-92	41
820	beta-Defensins chemoattract macrophages and mast cells but not lymphocytes and dendritic cells: CCR6 is not involved. 2007 , 37, 2474-86	113

819	Green tea catechin inhibits ephrin-A1-mediated cell migration and angiogenesis of human umbilical vein endothelial cells. 2007 , 18, 391-9	52
818	ALK5 promotes tumor angiogenesis by upregulating matrix metalloproteinase-9 in tumor cells. 2007 , 26, 2407-22	74
817	c-Jun N-terminal kinase is activated in non-small-cell lung cancer and promotes neoplastic transformation in human bronchial epithelial cells. 2007 , 26, 2658-66	66
816	PBK/TOPK promotes tumour cell proliferation through p38 MAPK activity and regulation of the DNA damage response. 2007 , 26, 3451-61	111
815	Scaffold proteins of MAP-kinase modules. 2007 , 26, 3185-202	223
814	MAP kinase signalling pathways in cancer. 2007 , 26, 3279-90	2038
813	Essential roles of ERK-mediated phosphorylation of vinexin in cell spreading, migration and anchorage-independent growth. 2007 , 26, 7122-31	19
812	Targeting dual-specificity phosphatases: manipulating MAP kinase signalling and immune responses. 2007 , 6, 391-403	340
811	Anthrax toxins inhibit immune cell chemotaxis by perturbing chemokine receptor signalling. 2007 , 9, 924-9	58
810	Involvement of CD147 in regulation of multidrug resistance to P-gp substrate drugs and in vitro invasion in breast cancer cells. 2007 , 98, 1064-9	53
809	Phosphorylation by extracellular signal-regulated kinase of a multidomain adaptor protein, vinexin, at synapses. 2007 , 100, 545-54	22
808	Regulation of MAPKs by growth factors and receptor tyrosine kinases. 2007 , 1773, 1161-76	308
807	Phorbol 12-myristate 13-acetate (PMA)-induced migration of glioblastoma cells is mediated via p38MAPK/Hsp27 pathway. 2007 , 74, 690-701	35
806	Extracellular signal-regulated kinase involvement in human astrocyte migration. 2007 , 1164, 1-13	35
805	Scaffold mediated regulation of MAPK signaling and cytoskeletal dynamics: a perspective. <i>Cellular Signalling</i> , 2007 , 19, 1621-32	4.9 121
804	Glycerophosphoinositol-4-phosphate enhances SDF-1alpha-stimulated T-cell chemotaxis through PTK-dependent activation of Vav. <i>Cellular Signalling</i> , 2007 , 19, 2351-60	4.9 12
803	c-jun amino-terminal kinase and mitogen activated protein kinase 1/2 mediate hepatocyte growth factor-induced migration of brain endothelial cells. 2007 , 313, 121-32	36
802	ERK-dependent and -independent pathways trigger human neural progenitor cell migration. 2007 , 221, 57-67	75

801	The signaling mechanism of ROS in tumor progression. 2006 , 25, 695-705	572
800	Modulation of tight junction barrier function by outer membrane proteins of enteropathogenic <i>Escherichia coli</i> : role of F-actin and junctional adhesion molecule-1. 2007 , 31, 836-44	12
799	Signal cross talks for sustained MAPK activation and cell migration: the potential role of reactive oxygen species. 2008 , 27, 303-14	135
798	N-acetylglucosaminyltransferase V modifies TrKA protein, regulates the receptor function. 2008 , 28, 663-70	6
797	Long-term exposure of human renal carcinoma cells to PD98059 induces epithelial-mesenchymal transition-like phenotype and enhanced motility. 2008 , 309, 69-76	4
796	The complexity of mitogen-activated protein kinases (MAPKs) made simple. 2008 , 65, 3525-44	299
795	Concordant overexpression of p-FAK and p-ERK1/2 in extramammary Paget disease. 2008 , 300, 195-201	13
794	Caspase-3 enhances lung metastasis and cell migration in a protease-independent mechanism through the ERK pathway. 2008 , 123, 1278-85	18
793	Suppression of integrin alpha5beta1 by RNA interference in colon cancer cells inhibits extracellular matrix degradation through the MAPK pathway. 2008 , 123, 1311-7	16
792	Low substratum rigidity of collagen gel promotes ERK phosphorylation via lipid raft to augment cell migration. 2008 , 103, 1111-24	8
791	Lysophosphatidic acid in malignant ascites stimulates migration of human mesenchymal stem cells. 2008 , 104, 499-510	44
790	Bradykinin induces matrix metalloproteinase-9 expression and cell migration through a PKC-delta-dependent ERK/Elk-1 pathway in astrocytes. 2008 , 56, 619-32	84
789	Tumor necrosis factor-related apoptosis-inducing ligand promotes migration of human bone marrow multipotent stromal cells. 2008 , 26, 2955-63	53
788	AMMONIUM HYDROXIDE EXTRACTS FROM BLACK TEA INHIBIT GROWTH, MIGRATION AND INVASION OF COLON CANCER CELLS. 2008 , 32, 201-215	
787	Salivary trefoil factor 3 enhances migration of oral keratinocytes. 2008 , 116, 135-40	51
786	Secreted protein acidic, rich in cysteine induces pulp cell migration via alpha5beta3 integrin and extracellular signal-regulated kinase. 2008 , 14, 335-40	8
785	Differential membrane compartmentalization of Ret by PTB-adaptor engagement. 2008 , 275, 2055-66	4
784	Marine toxins and the cytoskeleton: azaspiracids. 2008 , 275, 6075-81	29

783	TAK1 is required for TGF-beta 1-mediated regulation of matrix metalloproteinase-9 and metastasis. 2008 , 27, 1198-207	71
782	CB2 cannabinoid receptor agonists attenuate TNF-alpha-induced human vascular smooth muscle cell proliferation and migration. 2008 , 153, 347-57	129
781	Neurofibromatosis 2 tumor suppressor, the gene induced by valproic acid, mediates neurite outgrowth through interaction with paxillin. 2008 , 314, 2279-88	28
780	Demacentor variabilis: regulation of fibroblast migration by tick salivary gland extract and saliva. 2008 , 119, 391-7	22
779	p38MAPK inhibition attenuates LPS-induced acute lung injury involvement of NF-kappaB pathway. 2008 , 584, 159-65	90
778	Effects of silibinin on cell growth and invasive properties of a human hepatocellular carcinoma cell line, HepG-2, through inhibition of extracellular signal-regulated kinase 1/2 phosphorylation. 2008 , 591, 13-20	48
777	Arsenic alters vascular smooth muscle cell focal adhesion complexes leading to activation of FAK-src mediated pathways. 2008 , 231, 135-41	10
776	Histatins are the major wound-closure stimulating factors in human saliva as identified in a cell culture assay. 2008 , 22, 3805-12	154
775	Molecular pathways regulating cytoskeletal organization and morphological changes in migrating neurons. 2008 , 30, 36-46	78
774	MLK3 limits activated Galphaq signaling to Rho by binding to p63RhoGEF. 2008 , 32, 43-56	35
773	Wogonin inhibits microglial cell migration via suppression of nuclear factor-kappa B activity. 2008 , 8, 1658-62	36
772	Myosin light-chain kinase contributes to the proliferation and migration of breast cancer cells through cross-talk with activated ERK1/2. 2008 , 270, 312-27	58
771	Nudel binds Cdc42GAP to modulate Cdc42 activity at the leading edge of migrating cells. 2008 , 14, 342-53	63
770	Signaling Pathways in Morphogenesis of Cornea and Eyelid. 2008 , 6, 9-23	14
769	Expression of CD147 mediates tumor cells invasion and multidrug resistance in hepatocellular carcinoma. 2008 , 26, 977-83	17
768	Regulation of EphB2 activation and cell repulsion by feedback control of the MAPK pathway. 2008 , 183, 933-47	60
767	Epstein-Barr virus-encoded LMP1 regulates epithelial cell motility and invasion via the ERK-MAPK pathway. 2008 , 82, 3654-64	78
766	Calpain in the CNS: from synaptic function to neurotoxicity. 2008 , 1, re1	148

765	Rap1a is a key regulator of fibroblast growth factor 2-induced angiogenesis and together with Rap1b controls human endothelial cell functions. 2008 , 28, 5803-10	77
764	Differential sensitivity of A549 non-small lung carcinoma cell responses to epidermal growth factor receptor pathway inhibitors. 2008 , 7, 557-68	23
763	TGFBR1*6A enhances the migration and invasion of MCF-7 breast cancer cells through RhoA activation. 2008 , 68, 1319-28	44
762	The beta1 integrin activates JNK independent of CagA, and JNK activation is required for Helicobacter pylori CagA+-induced motility of gastric cancer cells. 2008 , 283, 13952-63	49
761	Mature dendritic cells express functional thrombin receptors triggering chemotaxis and CCL18/pulmonary and activation-regulated chemokine induction. 2008 , 181, 1215-23	22
760	JNK-mediated phosphorylation of paxillin in adhesion assembly and tension-induced cell death by the adenovirus death factor E4orf4. 2008 , 283, 34352-64	17
759	Tissue inhibitor of metalloproteinases-2 binding to membrane-type 1 matrix metalloproteinase induces MAPK activation and cell growth by a non-proteolytic mechanism. 2008 , 283, 87-99	86
758	JNK MAP kinase activation is required for MTOC and granule polarization in NKG2D-mediated NK cell cytotoxicity. 2008 , 105, 3017-22	85
757	ADP stimulates human endothelial cell migration via P2Y1 nucleotide receptor-mediated mitogen-activated protein kinase pathways. 2008 , 102, 448-56	67
756	Damage-induced activation of ERK1/2 in cochlear supporting cells is a hair cell death-promoting signal that depends on extracellular ATP and calcium. 2008 , 28, 4918-28	81
755	Multipathway model enables prediction of kinase inhibitor cross-talk effects on migration of Her2-overexpressing mammary epithelial cells. 2008 , 73, 1668-78	47
754	Overlapping and distinct roles for PI3Kbeta and gamma isoforms in S1P-induced migration of human and mouse endothelial cells. 2008 , 80, 96-105	41
753	Delphinidin, a dietary anthocyanidin, inhibits platelet-derived growth factor ligand/receptor (PDGF/PDGFR) signaling. 2008 , 29, 1033-41	53
752	Counteractive control of polarized morphogenesis during mating by mitogen-activated protein kinase Fus3 and G1 cyclin-dependent kinase. 2008 , 19, 1739-52	27
751	Mitogen-activated protein (MAP) kinase/MAP kinase phosphatase regulation: roles in cell growth, death, and cancer. 2008 , 60, 261-310	470
750	Cocaine- and amphetamine-regulated transcript accelerates termination of follicle-stimulating hormone-induced extracellularly regulated kinase 1/2 and Akt activation by regulating the expression and degradation of specific mitogen-activated protein kinase phosphatases in bovine granulosa cells. 2008 , 22, 2655-76	20
749	The dietary flavones apigenin and luteolin impair smooth muscle cell migration and VEGF expression through inhibition of PDGFR-beta phosphorylation. 2008 , 1, 452-9	26
748	ErbB2 directly activates the exchange factor Dock7 to promote Schwann cell migration. 2008 , 181, 351-65	105

747	FAK/src-family dependent activation of the Ste20-like kinase SLK is required for microtubule-dependent focal adhesion turnover and cell migration. 2008 , 3, e1868	40
746	Bone cells-biomaterials interactions. 2009 , 14, 1023-67	47
745	Major signaling pathways in migrating neuroblasts. 2009 , 2, 7	47
744	SDF-1alpha stimulates JNK3 activity via eNOS-dependent nitrosylation of MKP7 to enhance endothelial migration. 2009 , 106, 5675-80	71
743	Melanoma: targeting signaling pathways and RaLP. 2009 , 13, 93-104	7
742	Thromboxane A(2) modulates migration, proliferation, and differentiation of adipose tissue-derived mesenchymal stem cells. 2009 , 41, 17-24	43
741	Trihydrophobin 1 Interacts with PAK1 and Regulates ERK/MAPK Activation and Cell Migration. 2009 , 284, 8786-96	31
740	JNK MAPK signaling contributes in vivo to injury-induced corneal epithelial migration. 2009 , 42, 185-92	15
739	Tissue transglutaminase is an essential participant in the epidermal growth factor-stimulated signaling pathway leading to cancer cell migration and invasion. 2009 , 284, 17914-25	63
738	Extracellular signal-regulated kinase signaling pathway regulates breast cancer cell migration by maintaining slug expression. 2009 , 69, 9228-35	143
737	Cisplatin reduces endothelial cell migration via regulation of type 2-matrix metalloproteinase activity. 2009 , 23, 441-8	28
736	The pro-fibrotic factor IGFBP-5 induces lung fibroblast and mononuclear cell migration. 2009 , 41, 179-88	38
735	Bovine colostrum promotes growth and migration of the human keratinocyte HaCaT cell line. 2009 , 27, 448-55	9
734	Mechanical stretch decreases FAK phosphorylation and reduces cell migration through loss of JIP3-induced JNK phosphorylation in airway epithelial cells. 2009 , 297, L520-9	26
733	A quantitative RNAi screen for JNK modifiers identifies Pvr as a novel regulator of Drosophila immune signaling. 2009 , 5, e1000655	56
732	An aPKC-exocyst complex controls paxillin phosphorylation and migration through localised JNK1 activation. 2009 , 7, e1000235	83
731	Cardiac fibroblasts require focal adhesion kinase for normal proliferation and migration. 2009 , 296, H627-38	20
730	Role of Src tyrosine kinase in the atherogenic effects of the 12/15-lipoxygenase pathway in vascular smooth muscle cells. 2009 , 29, 387-93	46

729	Inhibition of basal p38 or JNK activity enhances epithelial barrier function through differential modulation of claudin expression. 2009 , 297, C775-87		55
728	Localization of nectin-free afadin at the leading edge and its involvement in directional cell movement induced by platelet-derived growth factor. <i>Journal of Cell Science</i> , 2009 , 122, 4319-29	53	37
727	Erlotinib and bevacizumab have synergistic activity against melanoma. 2009 , 15, 3495-502		62
726	Lipoprotein accumulation in macrophages via toll-like receptor-4-dependent fluid phase uptake. 2009 , 104, 1355-63		177
725	The dexamethasone-induced inhibition of proliferation, migration, and invasion in glioma cell lines is antagonized by macrophage migration inhibitory factor (MIF) and can be enhanced by specific MIF inhibitors. 2009 , 284, 32483-92		43
724	Up-regulation of L1CAM in pancreatic duct cells is transforming growth factor beta1- and slug-dependent: role in malignant transformation of pancreatic cancer. 2009 , 69, 4517-26		81
723	Activation of p38 MAPK by feline infectious peritonitis virus regulates pro-inflammatory cytokine production in primary blood-derived feline mononuclear cells. 2009 , 384, 135-43		43
722	Netrin-4 regulates angiogenic responses and tumor cell growth. 2009 , 315, 784-94		42
721	Vav GEFs regulate macrophage morphology and adhesion-induced Rac and Rho activation. 2009 , 315, 3345-58		31
720	Inhibitory effect of penta-acetyl geniposide on C6 glioma cells metastasis by inhibiting matrix metalloproteinase-2 expression involved in both the PI3K and ERK signaling pathways. 2009 , 181, 8-14		17
719	In vitro enhancement effect of humic acid on the progression of lung cancer cells. 2009 , 181, 463-71		10
718	G protein-coupled receptors stimulation and the control of cell migration. <i>Cellular Signalling</i> , 2009 , 21, 1045-53	4.9	130
717	Actin-dependent dynamics of keratin filament precursors. 2009 , 66, 976-85		49
716	Anti-angiogenic potential of scopoletin is associated with the inhibition of ERK1/2 activation. 2009 , 70, 214-219		14
715	Lysophosphatidic acid-induced ERK activation and chemotaxis in MC3T3-E1 preosteoblasts are independent of EGF receptor transactivation. 2009 , 219, 716-23		25
714	Pim-3 is expressed in endothelial cells and promotes vascular tube formation. 2009 , 220, 82-90		24
713	Peroxiredoxin 6 promotes lung cancer cell invasion by inducing urokinase-type plasminogen activator via p38 kinase, phosphoinositide 3-kinase, and Akt. 2009 , 28, 583-8		29
712	Tec kinase mediating IL-8 transcription in monocytes stimulated with LPS. 2009 , 32, 265-9		4

711	Glypican-3 regulates migration, adhesion and actin cytoskeleton organization in mammary tumor cells through Wnt signaling modulation. 2009 , 114, 251-62	69
710	Silencing CD147 inhibits tumor progression and increases chemosensitivity in murine lymphoid neoplasm P388D1 cells. 2009 , 88, 753-60	16
709	Characterization of kinase suppressor of Ras-1 expression and anticancer drug sensitivity in human cancer cell lines. 2009 , 63, 807-18	9
708	Focal adhesion-localization of START-GAP1/DLC1 is essential for cell motility and morphology. 2009 , 14, 227-41	30
707	Endothelial cell-specific molecule 2 (ECSM2) modulates actin remodeling and epidermal growth factor receptor signaling. 2009 , 14, 281-93	19
706	Inhibitory effects of lithospermic acid on proliferation and migration of rat vascular smooth muscle cells. 2009 , 30, 1245-52	36
705	A Mek1-Mek2 heterodimer determines the strength and duration of the Erk signal. 2009 , 16, 294-303	128
704	Characterisation of fibronectin-mediated FAK signalling pathways in lung cancer cell migration and invasion. 2009 , 101, 327-34	172
703	Effects of rhubarb on migration of rat hepatic stellate cells. 2009 , 24, 453-61	16
702	The signaling pathways of Epstein-Barr virus-encoded latent membrane protein 2A (LMP2A) in latency and cancer. 2009 , 14, 222-47	45
701	Role of Rac1-regulated signaling in medulloblastoma invasion. Laboratory investigation. 2009 , 4, 97-104	15
700	Identification of a functional role for the protease-activated receptor-1 in hypoxic breast cancer cells. 2009 , 45, 454-60	19
699	p38 mitogen-activated kinase (MAPK) is essential for equine neutrophil migration. 2009 , 129, 181-91	16
698	AP-1 and ERK1 but not p38 nor JNK is required for CRPV early protein 2-dependent MMP-9 promoter activation in rabbit epithelial cells. 2009 , 139, 100-5	8
697	Anthrax toxins: a weapon to systematically dismantle the host immune defenses. 2009 , 30, 456-66	104
696	Fasudil hydrochloride hydrate, a Rho-kinase inhibitor, suppresses 5-hydroxytryptamine-induced pulmonary artery smooth muscle cell proliferation via JNK and ERK1/2 pathway. 2009 , 83, 67-79	29
695	Cell Migration along the Basement Membrane during Wound Repair. The Corneal Endothelium as a Model System. 2009 , 43-84	1
694	Programmed cell death 4 (PDCD4) suppresses metastatic potential of human hepatocellular carcinoma cells. 2009 , 28, 71	35

693	Key signalling nodes in mammary gland development and cancer. Mitogen-activated protein kinase signalling in experimental models of breast cancer progression and in mammary gland development. 2009 , 11, 209	115
692	Non-muscle myosin IIA differentially regulates intestinal epithelial cell restitution and matrix invasion. 2009 , 174, 436-48	40
691	The fibrotic phenotype induced by IGFBP-5 is regulated by MAPK activation and egr-1-dependent and -independent mechanisms. 2009 , 175, 605-15	53
690	Poly-N-acetyl glucosamine nanofibers: a new bioactive material to enhance diabetic wound healing by cell migration and angiogenesis. 2009 , 250, 322-30	67
689	CD44: target for antiangiogenesis therapy. 2009 , 114, 5114-5	6
688	Targeting P2X ₇ receptor inhibits the metastasis of murine P388D1 lymphoid neoplasm cells to lymph nodes. 2010 , 34, 1205-11	17
687	c-Jun N-terminal kinase/c-Jun inhibits fibroblast proliferation by negatively regulating the levels of stathmin/oncoprotein 18. 2010 , 430, 345-54	19
686	STAT3 controls the neutrophil migratory response to CXCR2 ligands by direct activation of G-CSF-induced CXCR2 expression and via modulation of CXCR2 signal transduction. 2010 , 115, 3354-63	93
685	Synergistic anti-neoplastic effect of AG1478 in combination with cisplatin or paclitaxel on human endometrial and ovarian cancer cells. 2010 , 3, 479-84	6
684	Platelet-activating factor receptor mediates oxidized low density lipoprotein-induced migration of bone marrow-derived mesenchymal stem cells. 2010 , 26, 689-98	11
683	Relationship between urokinase plasminogen activator receptor (uPAR) and the invasion of human prenatal hair follicle. 2010 , 302, 409-18	1
682	Oroxilin A inhibits angiogenesis through blocking vascular endothelial growth factor-induced KDR/Flk-1 phosphorylation. 2010 , 136, 667-75	31
681	Simulated microgravity perturbs actin polymerization to promote nitric oxide-associated migration in human immortalized Eahy926 cells. 2010 , 242, 3-12	36
680	Lipoteichoic acid induces matrix metalloproteinase-9 expression via transactivation of PDGF receptors and NF-kappaB activation in rat brain astrocytes. 2010 , 17, 344-59	23
679	p21-activated kinase 3 is overexpressed in thymic neuroendocrine tumors (carcinoids) with ectopic ACTH syndrome and participates in cell migration. 2010 , 38, 38-47	30
678	Antimetastatic efficacy of silibinin: molecular mechanisms and therapeutic potential against cancer. 2010 , 29, 447-63	175
677	Neural progenitor cells as models for high-throughput screens of developmental neurotoxicity: state of the science. 2010 , 32, 4-15	98
676	Cell type-specific anti-cancer properties of valproic acid: independent effects on HDAC activity and Erk1/2 phosphorylation. 2010 , 10, 383	19

675	The carboxyl tail of Cx43 augments p38 mediated cell migration in a gap junction-independent manner. 2010 , 89, 828-38		75
674	Fps/Fes protein-tyrosine kinase regulates mast cell adhesion and migration downstream of Kit and beta1 integrin receptors. <i>Cellular Signalling</i> , 2010 , 22, 427-36	4-9	17
673	Neutrophil granulocytes promote the migratory activity of MDA-MB-468 human breast carcinoma cells via ICAM-1. 2010 , 316, 138-48		62
672	ERK regulates strain-induced migration and proliferation from different subcellular locations. 2010 , 109, 711-25		13
671	Cross-talk between MAP kinase pathways is involved in IGF-independent, IGFBP-6-induced Rh30 rhabdomyosarcoma cell migration. 2010 , 224, 636-43		21
670	Integrin-linked kinase functions as a downstream signal of platelet-derived growth factor to regulate actin polymerization and vascular smooth muscle cell migration. 2010 , 11, 16		19
669	Functional blockade of $\alpha 5 \beta 1$ integrin induces scattering and genomic landscape remodeling of hepatic progenitor cells. 2010 , 11, 81		10
668	Eicosapentaenoic acid inhibits endothelial cell migration in vitro. 2010 , 2, 12		5
667	Protein kinase inhibitors can control the progression of endometriosis in vitro and in vivo. 2010 , 222, 148-57		62
666	Sublethal concentrations of the platinum(II) complex [Pt(O,OQacac)(gamma-acac)(DMS)] alter the motility and induce anoikis in MCF-7 cells. 2010 , 160, 1362-77		29
665	Nucleotides and epidermal growth factor induce parallel cytoskeletal rearrangements and migration in cultured adult murine neural stem cells. 2010 , 199, 181-9		42
664	The membrane-associated protein, supervillin, accelerates F-actin-dependent rapid integrin recycling and cell motility. 2010 , 11, 782-99		61
663	The role of scaffold proteins in JNK signalling. 2010 , 43, 56-66		48
662	PAUF functions in the metastasis of human pancreatic cancer cells and upregulates CXCR4 expression. 2010 , 29, 56-67		48
661	Transcriptome dysregulation by anthrax lethal toxin plays a key role in induction of human endothelial cell cytotoxicity. 2010 , 12, 891-905		25
660	MEK inhibition suppresses cell invasion and migration in ovarian cancers with activation of ERK1/2. 2010 , 1, 591-596		8
659	Elevated expression of protein kinase C delta induces cell scattering upon serum deprivation. <i>Journal of Cell Science</i> , 2010 , 123, 2901-13	5-3	17
658	Plasmin triggers chemotaxis of monocyte-derived dendritic cells through an Akt2-dependent pathway and promotes a T-helper type-1 response. 2010 , 30, 582-90		38

657	Sphingosine kinase 1 induces tolerance to human epidermal growth factor receptor 2 and prevents formation of a migratory phenotype in response to sphingosine 1-phosphate in estrogen receptor-positive breast cancer cells. 2010 , 30, 3827-41		86
656	Fatty acid-binding protein 5 and PPARbeta/delta are critical mediators of epidermal growth factor receptor-induced carcinoma cell growth. 2010 , 285, 19106-15		69
655	Free edges in epithelial cell sheets stimulate epidermal growth factor receptor signaling. 2010 , 21, 2172-81		22
654	Selective and uncoupled role of substrate elasticity in the regulation of replication and transcription in epithelial cells. <i>Journal of Cell Science</i> , 2010 , 123, 29-39	5-3	65
653	h3/Acidic calponin: an actin-binding protein that controls extracellular signal-regulated kinase 1/2 activity in nonmuscle cells. 2010 , 21, 1409-22		22
652	Fibroblasts associated with cancer cells keep enhanced migration activity after separation from cancer cells: a novel character of tumor educated fibroblasts. 2010 , 37, 317-25		23
651	Go or stop? Divergent roles of Reelin in radial neuronal migration. 2010 , 16, 421-34		37
650	Identification of novel cell migration-promoting genes by a functional genetic screen. 2010 , 24, 464-78		39
649	Cyclic mechanical stretch decreases cell migration by inhibiting phosphatidylinositol 3-kinase- and focal adhesion kinase-mediated JNK1 activation. 2010 , 285, 4511-9		27
648	Mechanical signals activate vascular endothelial growth factor receptor-2 to upregulate endothelial cell proliferation during inflammation. 2010 , 185, 1215-21		52
647	CXCL12-induced glioblastoma cell migration requires intermediate conductance Ca ²⁺ -activated K ⁺ channel activity. 2010 , 299, C175-84		83
646	X-linked inhibitor of apoptosis protein controls alpha5-integrin-mediated cell adhesion and migration. 2010 , 299, H300-9		22
645	Active Mek2 as a regulatory scaffold that promotes Pin1 binding to BPGAP1 to suppress BPGAP1-induced acute Erk activation and cell migration. <i>Journal of Cell Science</i> , 2010 , 123, 903-16	5-3	20
644	SHP-2 phosphatase activity is required for PECAM-1-dependent cell motility. 2010 , 299, C854-65		14
643	Roles of E3 ubiquitin ligases in cell adhesion and migration. 2010 , 4, 10-8		51
642	The pro-migratory and pro-invasive role of the procoagulant tissue factor in malignant gliomas. 2010 , 4, 515-22		10
641	Mixed lineage kinase-3/JNK1 axis promotes migration of human gastric cancer cells following gastrin stimulation. 2010 , 24, 598-607		48
640	Poly(A)-binding protein 1 partially relocalizes to the nucleus during herpes simplex virus type 1 infection in an ICP27-independent manner and does not inhibit virus replication. 2010 , 84, 8539-48		44

639	Deciphering mechanisms controlling placental artery endothelial cell migration stimulated by vascular endothelial growth factor. 2010 , 151, 3432-44	26
638	MAP kinase phosphorylation is dispensable for cell division, but required for cell growth in <i>Drosophila</i> . 2010 , 4, 204-12	0
637	<i>Bacillus anthracis</i> capsule activates caspase-1 and induces interleukin-1beta release from differentiated THP-1 and human monocyte-derived dendritic cells. 2010 , 78, 387-92	13
636	Cyanidin-3-glucoside inhibits ethanol-induced invasion of breast cancer cells overexpressing ErbB2. 2010 , 9, 285	71
635	Calmodulin kinase II-dependent transactivation of PDGF receptors mediates astrocytic MMP-9 expression and cell motility induced by lipoteichoic acid. 2010 , 7, 84	29
634	Pathological roles of MAPK signaling pathways in human diseases. 2010 , 1802, 396-405	1455
633	In vitro effects of direct current electric fields on adipose-derived stromal cells. 2010 , 397, 12-7	84
632	PTPIP51-a myeloid lineage specific protein interacts with PTP1B in neutrophil granulocytes. 2010 , 45, 159-68	16
631	Rab GTPases-dependent endocytic pathways regulate neuronal migration and maturation through N-cadherin trafficking. 2010 , 67, 588-602	240
630	Inhibition of tissue factor/protease-activated receptor-2 signaling limits proliferation, migration and invasion of malignant glioma cells. 2010 , 165, 1312-22	54
629	Emerging functions for plant MAP kinase phosphatases. 2010 , 15, 322-9	85
628	Down-regulation of the oncogene cyclin D1 increases migratory capacity in breast cancer and is linked to unfavorable prognostic features. 2010 , 177, 2886-97	49
627	Signal Transduction: Pathways, Mechanisms and Diseases. 2010 ,	1
626	Development of JNK2-selective peptide inhibitors that inhibit breast cancer cell migration. 2011 , 6, 658-66	38
625	Selection and separation of viable cells based on a cell-lethal assay. 2011 , 83, 278-83	4
624	Re-epithelialization of wounds. 2011 , 24, 59-93	26
623	Biology of Earthworms. 2011 ,	16
622	Low molecular weight heparin inhibits melanoma cell adhesion and migration through a PKCa/JNK signaling pathway inducing actin cytoskeleton changes. 2011 , 312, 235-44	29

621	Pregnane X receptor PXR activates the GADD45beta gene, eliciting the p38 MAPK signal and cell migration. 2011 , 286, 3570-8	49
620	Activity of all JNK isoforms contributes to neurite growth in spiral ganglion neurons. 2011 , 278, 77-85	21
619	Systems Biology of Tumor Cell Migration in 3D: Protein Signaling. 2011 , 123-149	
618	The role of RPE cell-associated VEGF β in choroidal endothelial cell transmigration across the RPE. 2011 , 52, 570-8	40
617	Endothelial cell-specific molecule 2 (ECSM2) localizes to cell-cell junctions and modulates bFGF-directed cell migration via the ERK-FAK pathway. 2011 , 6, e21482	20
616	Soluble THSD7A is an N-glycoprotein that promotes endothelial cell migration and tube formation in angiogenesis. 2011 , 6, e29000	49
615	Role of palladin phosphorylation by extracellular signal-regulated kinase in cell migration. 2011 , 6, e29338	15
614	The Shc family protein adaptor, Rai, negatively regulates T cell antigen receptor signaling by inhibiting ZAP-70 recruitment and activation. 2011 , 6, e29899	15
613	Role of FGD1, a Cdc42 guanine nucleotide exchange factor, in epidermal growth factor-stimulated c-Jun NH2-terminal kinase activation and cell migration. 2011 , 34, 54-60	8
612	Fasudil hydrochloride hydrate, a Rho-kinase inhibitor, suppresses high glucose-induced proliferation and collagen synthesis in rat cardiac fibroblasts. 2011 , 38, 387-94	26
611	Polycyclic aromatic hydrocarbons induce migration in human hepatocellular carcinoma cells (HepG2) through reactive oxygen species-mediated p38 MAPK signal transduction. 2011 , 102, 1636-44	33
610	Attenuation of scratch-induced reactive astrogliosis by novel EphA4 kinase inhibitors. 2011 , 118, 1016-31	24
609	The teratogenic potencies of valproic acid derivatives and their effects on biological end-points are related to changes in histone deacetylase and Erk1/2 activities. 2011 , 109, 164-74	11
608	Cathepsin H regulated by the thyroid hormone receptors associate with tumor invasion in human hepatoma cells. 2011 , 30, 2057-69	36
607	Ixodid tick salivary gland products target host wound healing growth factors. 2011 , 41, 213-23	34
606	Endosomal signaling and cell migration. 2011 , 23, 615-20	18
605	Role of β arrestins in bradykinin B2 receptor-mediated signalling. <i>Cellular Signalling</i> , 2011 , 23, 648-59	4.9 30
604	Reactive oxygen species-mediated PKC and integrin signaling promotes tumor progression of human hepatoma HepG2. 2011 , 28, 851-63	34

603	Pigment epithelium-derived factor plays an inhibitory role in proliferation and migration of HaCaT cells. 2011 , 38, 2099-105	14
602	Myosin IIB deficiency in embryonic fibroblasts affects regulators and core members of the par polarity complex. 2011 , 136, 245-66	8
601	Epigallocatechin gallate suppresses invasion and migration of human non-small cell lung cancer NCI-H460 cells through inactivating FAK/PI3K/Akt signaling pathway and reducing binding activity of NF- κ B. 2011 , 60, 297-310	51
600	Isolation and characterization of a novel <i>Ganoderma lucidum</i> gene that differentially expressed between shaking culture and liquid static culture. 2011 , 33, 645-651	3
599	Nanomaterials can dynamically steer cell responses to biological ligands. 2011 , 7, 242-51	5
598	Differentiation of neural stem cells influences their chemotactic responses to vascular endothelial growth factor. 2011 , 89, 1173-84	10
597	EGF-induced ERK-activation downstream of FAK requires rac1-NADPH oxidase. 2011 , 226, 2267-78	31
596	Migration of dorsal aorta mesenchymal stem cells induced by mouse embryonic circulation. 2011 , 240, 65-74	5
595	Phenylboronic acid is a more potent inhibitor than boric acid of key signaling networks involved in cancer cell migration. 2011 , 5, 382-6	22
594	ERK signaling controls blastema cell differentiation during planarian regeneration. 2011 , 138, 2417-27	93
593	Polysialic acid controls NCAM signals at cell-cell contacts to regulate focal adhesion independent from FGF receptor activity. <i>Journal of Cell Science</i> , 2011 , 124, 3279-91	5-3 33
592	Adrenergic signaling in human oral keratinocytes and wound repair. 2011 , 90, 186-92	27
591	Glia maturation factor-1 mediates neutrophil chemotaxis. 2011 , 90, 529-38	29
590	Polysialylation promotes neural cell adhesion molecule-mediated cell migration in a fibroblast growth factor receptor-dependent manner, but independent of adhesion capability. 2011 , 21, 1010-8	28
589	Effects of propofol on the expression of matrix metalloproteinases in rat cardiac fibroblasts after hypoxia and reoxygenation. 2011 , 106, 650-8	14
588	Modulators of endothelial cell filopodia: PECAM-1 joins the club. 2011 , 5, 37-41	9
587	RANKL-induced migration of MDA-MB-231 human breast cancer cells via Src and MAPK activation. 2011 , 26, 1243-50	18
586	Calcium-sensing receptor modulates cell adhesion and migration via integrins. 2011 , 286, 40922-33	51

585	JNK1 is required for lentivirus entry and gene transfer. 2011 , 85, 2657-65		9
584	Schwann Cell Migration Induced by Earthworm Extract via Activation of PAs and MMP2/9 Mediated through ERK1/2 and p38. 2011 , 2011, 395458		31
583	Dilong: role in peripheral nerve regeneration. 2011 , 2011, 380809		10
582	Anthrax lethal toxin and the induction of CD4 T cell immunity. 2012 , 4, 878-99		7
581	Caffeic Acid phenethyl ester inhibits oral cancer cell metastasis by regulating matrix metalloproteinase-2 and the mitogen-activated protein kinase pathway. 2012 , 2012, 732578		27
580	Paeoniae radix reduces PDGF-stimulated hepatic stellate cell migration. 2012 , 78, 341-8		11
579	Enhancement of chemokine function as an immunomodulatory strategy employed by human herpesviruses. 2012 , 8, e1002497		39
578	HLA class I-mediated stress fiber formation requires ERK1/2 activation in the absence of an increase in intracellular Ca ²⁺ in human aortic endothelial cells. 2012 , 303, C872-82		27
577	Lipocalin-type prostaglandin D2 synthase protein regulates glial cell migration and morphology through myristoylated alanine-rich C-kinase substrate: prostaglandin D2-independent effects. 2012 , 287, 9414-28		30
576	Autocrine regulation of TGF- β -induced cell migration by exocytosis of ATP and activation of P2 receptors in human lung cancer cells. <i>Journal of Cell Science</i> , 2012 , 125, 5051-60	5-3	84
575	PDGFR β signaling in the primary cilium regulates NHE1-dependent fibroblast migration via coordinated differential activity of MEK1/2-ERK1/2-p90RSK and AKT signaling pathways. <i>Journal of Cell Science</i> , 2013 , 126, 953-65	5-3	62
574	A vaccinia virus-driven interplay between the MKK4/7-JNK1/2 pathway and cytoskeleton reorganization. 2012 , 86, 172-84		21
573	The Effect on the Intestine of Some Fungal Toxins: The Trichothecenes. 2012 , 8, 193-208		13
572	Regulation of PTEN activity by p38 β PKD1 signaling in neutrophils confers inflammatory responses in the lung. 2012 , 209, 2229-46		68
571	Paxillin is the target of c-Jun N-terminal kinase in Schwann cells and regulates migration. <i>Cellular Signalling</i> , 2012 , 24, 2061-9	4-9	14
570	MiRNA-335 suppresses neuroblastoma cell invasiveness by direct targeting of multiple genes from the non-canonical TGF- β signaling pathway. 2012 , 33, 976-85		120
569	Cardiotoxin III suppresses MDA-MB-231 cell metastasis through the inhibition of EGF/EGFR-mediated signaling pathway. 2012 , 60, 734-43		21
568	Radiation-induced increase in cell migration and metastatic potential of cervical cancer cells operates via the K-Ras pathway. 2012 , 180, 862-71		39

567	Plectin promotes migration and invasion of cancer cells and is a novel prognostic marker for head and neck squamous cell carcinoma. 2012 , 75, 1803-15		50
566	A novel adipocytokine, vaspin inhibits platelet-derived growth factor-BB-induced migration of vascular smooth muscle cells. 2012 , 423, 844-9		45
565	Gene expression profiling and pathway analysis identify the integrin signaling pathway to be altered by IL-1 β in human pancreatic cancer cells: role of JNK. 2012 , 320, 86-95		23
564	Bidirectional regulation of neutrophil migration by mitogen-activated protein kinases. 2012 , 13, 457-64		150
563	Human U87 astrocytoma cell invasion induced by interaction of $\alpha_5\beta_1$ -h3 with integrin β_1 involves calpain-2. 2012 , 7, e37297		26
562	Reactive oxygen species regulate protrusion efficiency by controlling actin dynamics. 2012 , 7, e41342		40
561	Keratin 8 phosphorylation regulates keratin reorganization and migration of epithelial tumor cells. <i>Journal of Cell Science</i> , 2012 , 125, 2148-59	5-3	71
560	miR-129-3p controls cilia assembly by regulating CP110 and actin dynamics. 2012 , 14, 697-706		113
559	ECatulin marks the invasion front of squamous cell carcinoma and is important for tumor cell metastasis. 2012 , 10, 892-903		21
558	Lycopene inhibits angiogenesis both in vitro and in vivo by inhibiting MMP-2/uPA system through VEGFR2-mediated PI3K-Akt and ERK/p38 signaling pathways. 2012 , 56, 889-99		61
557	Upregulation of astrocytes protein phosphatase-2A stimulates astrocytes migration via inhibiting p38 MAPK in tg2576 mice. 2012 , 60, 1279-88		17
556	The axon guidance molecule Netrin-4 is expressed by Müller cells and contributes to angiogenesis in the retina. 2012 , 60, 1567-78		25
555	Neuropeptide Y inhibits interleukin-1 beta-induced microglia motility. 2012 , 120, 93-105		51
554	Adenosine A3 receptor is involved in ADP-induced microglial process extension and migration. 2012 , 121, 217-27		55
553	Migration induced by epidermal and hepatocyte growth factors in oral squamous carcinoma cells in vitro: role of MEK/ERK, p38 and PI-3 kinase/Akt. 2012 , 41, 547-58		21
552	Interleukin-28A triggers wound healing migration of bladder cancer cells via NF- κ B-mediated MMP-9 expression inducing the MAPK pathway. <i>Cellular Signalling</i> , 2012 , 24, 1734-42	4-9	13
551	The inhibitory effects of m-nisoldipine on the 5-hydroxytryptamine-induced proliferation of pulmonary artery smooth muscle cells via Ca ²⁺ antagonism and antioxidant mechanisms. 2012 , 686, 32-40		3
550	Salidroside inhibits migration and invasion of human fibrosarcoma HT1080 cells. 2012 , 19, 355-63		58

549	Ajugalide-B (ATMA) is an anoikis-inducing agent from <i>Ajuga taiwanensis</i> with antiproliferative activity against tumor cells in vitro. 2012 , 80, 64-9	10
548	The cytoplasmic tyrosine kinase Arg regulates gastrulation via control of actin organization. 2012 , 364, 42-55	2
547	Reactive oxygen species stimulates epithelial mesenchymal transition in normal human epidermal keratinocytes via TGF-beta secretion. 2012 , 318, 1926-32	34
546	Effects of indoxyl sulfate on adherens junctions of endothelial cells and the underlying signaling mechanism. 2012 , 113, 1034-43	35
545	Cdc42 negatively regulates intrinsic migration of highly aggressive breast cancer cells. 2012 , 227, 1399-407	21
544	The autoantigen DNA topoisomerase I interacts with chemokine receptor 7 and exerts cytokine-like effects on dermal fibroblasts. 2012 , 64, 826-34	8
543	Anti-proliferative and pro-apoptotic effect of carvacrol on human hepatocellular carcinoma cell line HepG-2. 2012 , 64, 43-51	103
542	Human chorionic gonadotropin induces cell motility via ERK1/2 and MMP-2 activation in human glioblastoma U87MG cells. 2013 , 111, 237-44	23
541	Anti-metastatic effect of cantharidin in A549 human lung cancer cells. 2013 , 36, 479-84	34
540	Re-Epithelialization of Wounds. 2013 , 81-123	
539	MED1101: a new dialdehydic compound regulating P27 receptor cell surface expression in U937 cells. 2013 , 105, 399-413	7
538	2-Hydroxyethyl methacrylate inhibits migration of dental pulp stem cells. 2013 , 39, 1156-60	19
537	Interleukin-5 enhances the migration and invasion of bladder cancer cells via ERK1/2-mediated MMP-9/NF- κ B/AP-1 pathway: involvement of the p21WAF1 expression. <i>Cellular Signalling</i> , 2013 , 25, 2025-38	54
536	Cytoplasmic targeting of the proto-oncogene SET promotes cell spreading and migration. 2013 , 587, 111-9	25
535	Polycyclic aromatic hydrocarbon (PAH)-mediated upregulation of hepatic microRNA-181 family promotes cancer cell migration by targeting MAPK phosphatase-5, regulating the activation of p38 MAPK. 2013 , 273, 130-9	42
534	Luteolin attenuates TGF- β -induced epithelial-mesenchymal transition of lung cancer cells by interfering in the PI3K/Akt-NF- κ B-Snail pathway. 2013 , 93, 924-33	55
533	CK2 inhibitor CX4945 induces sequential inactivation of proteins in the signaling pathways related with cell migration and suppresses metastasis of A549 human lung cancer cells. 2013 , 23, 5609-13	24
532	EpCAM controls actomyosin contractility and cell adhesion by direct inhibition of PKC. 2013 , 27, 263-77	43

531	Dehydrated aqueous two-phase system micro-domains retain their shape upon rehydration to allow patterned reagent delivery to cells. 2013 , 1, 6020-6026	5
530	Biological significance of a thyroid hormone-regulated secretome. 2013 , 1834, 2271-84	10
529	Mechano-growth factor induces migration of rat mesenchymal stem cells by altering its mechanical properties and activating ERK pathway. 2013 , 441, 202-7	20
528	Proteases: Structure and Function. 2013 ,	25
527	Suppression of thymosin β 4 increases cell migration and metastasis of cholangiocarcinoma. 2013 , 13, 430	18
526	LPA, HGF, and EGF utilize distinct combinations of signaling pathways to promote migration and invasion of MDA-MB-231 breast carcinoma cells. 2013 , 13, 501	21
525	NMDA receptor couples Rac1-GEF Tiam1 to direct oligodendrocyte precursor cell migration. 2013 , 61, 2078-99	31
524	PXR cross-talks with internal and external signals in physiological and pathophysiological responses. 2013 , 45, 300-10	22
523	Branched F-actin as a negative regulator of cilia formation. 2013 , 319, 147-51	32
522	Suppression of miRNA-708 by polycomb group promotes metastases by calcium-induced cell migration. 2013 , 23, 63-76	114
521	Cross-talk between glycogen synthase kinase 3 β (GSK3 β) and p38MAPK regulates myocyte enhancer factor 2 (MEF2) activity in skeletal and cardiac muscle. 2013 , 54, 35-44	26
520	CCDC134 is down-regulated in gastric cancer and its silencing promotes cell migration and invasion of GES-1 and AGS cells via the MAPK pathway. 2013 , 372, 1-8	26
519	Ras activated ERK and PI3K pathways differentially affect directional movement of cultured fibroblasts. 2013 , 31, 123-42	15
518	Protein kinase D2 regulates migration and invasion of U87MG glioblastoma cells in vitro. 2013 , 319, 2037-2048	29
517	CCN2 is transiently expressed by keratinocytes during re-epithelialization and regulates keratinocyte migration in vitro by the ras-MEK-ERK signaling pathway. 2013 , 185, e109-19	12
516	Involvement of P38MAPK in human corneal endothelial cell migration induced by TGF- β 2. 2013 , 108, 23-32	33
515	Hsp90 inhibition by NVP-AUY922 and NVP-BEP800 decreases migration and invasion of irradiated normoxic and hypoxic tumor cell lines. 2013 , 331, 200-10	20
514	Enhancement role of host 12/15-lipoxygenase in melanoma progression. 2013 , 49, 2747-59	13

513	WNT-5A triggers Cdc42 activation leading to an ERK1/2 dependent decrease in MMP9 activity and invasive migration of breast cancer cells. 2013 , 7, 870-83		29
512	Recombinant Erdr1 suppresses the migration and invasion ability of human gastric cancer cells, SNU-216, through the JNK pathway. 2013 , 150, 145-51		17
511	Trans-sialidase from Trypanosoma cruzi enhances the adhesion properties and fibronectin-driven migration of thymocytes. 2013 , 15, 365-74		17
510	Osteopontin promotes mesenchymal stem cell migration and lessens cell stiffness via integrin β , FAK, and ERK pathways. 2013 , 65, 455-62		63
509	Prognostic significance of Fbw7 in human melanoma and its role in cell migration. 2013 , 133, 1794-802		25
508	Emerging non-canonical functions for heterotrimeric G proteins in cellular signaling. 2013 , 33, 177-83		9
507	Autocrine IL-8 and VEGF mediate epithelial-mesenchymal transition and invasiveness via p38/JNK-ATF-2 signalling in A549 lung cancer cells. <i>Cellular Signalling</i> , 2013 , 25, 1780-91	4.9	61
506	ERK2 but not ERK1 mediates HGF-induced motility in non-small cell lung carcinoma cell lines. <i>Journal of Cell Science</i> , 2013 , 126, 2381-91	5.3	33
505	The activation of directional stem cell motility by green light-emitting diode irradiation. 2013 , 34, 1911-20		37
504	Dipyridamole prevents triple-negative breast-cancer progression. 2013 , 30, 47-68		36
503	Potential new mechanisms of placental damage in celiac disease: anti-transglutaminase antibodies impair human endometrial angiogenesis. 2013 , 89, 88		22
502	Neural differentiation of mesenchymal stem cells influences chemotactic responses to HGF. 2013 , 228, 149-62		27
501	Actin filament dynamics impacts keratinocyte stem cell maintenance. 2013 , 5, 640-53		32
500	MicroRNA 203 Modulates Glioma Cell Migration via Robo1/ERK/MMP-9 Signaling. 2013 , 4, 285-96		54
499	miR-139-5p is a regulator of metastatic pathways in breast cancer. 2013 , 19, 1767-80		121
498	Eupatilin, a major flavonoid of Artemisia, attenuates aortic smooth muscle cell proliferation and migration by inhibiting PI3K, MKK3/6, and MKK4 activities. 2013 , 79, 1009-16		21
497	Dissecting Major Signaling Pathways throughout the Development of Prostate Cancer. 2013 , 2013, 920612		35
496	Insulin-like growth factor-binding protein-6 and cancer. 2013 , 124, 215-29		48

495	Calcium release-dependent actin flow in the leading process mediates axophilic migration. 2013 , 33, 11361-71	29
494	CIP4 controls CCL19-driven cell steering and chemotaxis in chronic lymphocytic leukemia. 2013 , 73, 3412-24	15
493	Cellular kinetics of perivascular MSC precursors. 2013 , 2013, 983059	48
492	The tumour suppressor DiRas3 interacts with C-RAF and downregulates MEK activity to restrict cell migration. 2013 , 105, 91-107	15
491	Cytoprotective effects of opioids on irradiated oral epithelial cells. 2013 , 21, 883-9	3
490	Extra-cell cycle regulatory functions of cyclin-dependent kinases (CDK) and CDK inhibitor proteins contribute to brain development and neurological disorders. 2013 , 18, 176-94	39
489	The MLK-related kinase (MRK) is a novel RhoC effector that mediates lysophosphatidic acid (LPA)-stimulated tumor cell invasion. 2013 , 288, 5364-73	15
488	Interleukin-20 promotes migration of bladder cancer cells through extracellular signal-regulated kinase (ERK)-mediated MMP-9 protein expression leading to nuclear factor (NF- κ B) activation by inducing the up-regulation of p21(WAF1) protein expression. 2013 , 288, 5539-52	67
487	TLR4 signaling shapes B cell dynamics via MyD88-dependent pathways and Rac GTPases. 2013 , 191, 3867-75	19
486	Extracellular signal-regulated kinase (ERK) phosphorylates histone deacetylase 6 (HDAC6) at serine 1035 to stimulate cell migration. 2013 , 288, 33156-70	66
485	BIGH3 modulates adhesion and migration of hematopoietic stem and progenitor cells. 2013 , 7, 434-49	24
484	P38 and JNK have opposing effects on persistence of in vivo leukocyte migration in zebrafish. 2013 , 91, 60-9	16
483	Novel Role of Neuropeptide Y in the Modulation of Microglia Activity. 2013 , 4, 167-176	0
482	Cdc42 overexpression induces hyperbranching in the developing mammary gland by enhancing cell migration. 2013 , 15, R91	36
481	IL-1 β inhibits human osteoblast migration. 2013 , 19, 36-42	52
480	Variable metastatic potentials correlate with differential plectin and vimentin expression in syngeneic androgen independent prostate cancer cells. 2013 , 8, e65005	30
479	Decreased tumor progression and invasion by a novel anti-cell motility target for human colorectal carcinoma cells. 2013 , 8, e66439	7
478	Cannabidiol, a non-psychoactive cannabinoid compound, inhibits proliferation and invasion in U87-MG and T98G glioma cells through a multitarget effect. 2013 , 8, e76918	76

477	Age-related differences in signaling efficiency of human lens cells underpin differential wound healing response rates following cataract surgery. 2013 , 54, 333-42	23
476	Galectin-1-mediated cell adhesion, invasion and cell death in human anaplastic large cell lymphoma: regulatory roles of cell surface glycans. 2014 , 44, 1433-42	22
475	CNN3 regulates trophoblast invasion and is upregulated by hypoxia in BeWo cells. 2014 , 9, e103216	13
474	NGF accelerates cutaneous wound healing by promoting the migration of dermal fibroblasts via the PI3K/Akt-Rac1-JNK and ERK pathways. 2014 , 2014, 547187	45
473	Roles of p38 MAPK in the regulation of the inflammatory response to swine influenza virus-induced acute lung injury in mice. 2014 , 58, 374-9	15
472	Alpinia oxyphylla Miquel fruit extract activates MAPK-mediated signaling of PAs and MMP2/9 to induce Schwann cell migration and nerve regeneration. 2014 , 37, 402-13	8
471	Comparative transcriptomic analysis of cultivated limbal epithelium and donor corneal tissue reveals altered wound healing gene expression. 2014 , 55, 5795-805	3
470	A Role for the Cavin-3/Matrix Metalloproteinase-9 Signaling Axis in the Regulation of PMA-Activated Human HT1080 Fibrosarcoma Cell Neoplastic Phenotype. 2014 , 7, 43-51	7
469	PRK1/PKN1 controls migration and metastasis of androgen-independent prostate cancer cells. 2014 , 5, 12646-64	32
468	Knockdown of Sec8 enhances the binding affinity of c-Jun N-terminal kinase (JNK)-interacting protein 4 for mitogen-activated protein kinase kinase 4 (MKK4) and suppresses the phosphorylation of MKK4, p38, and JNK, thereby inhibiting apoptosis. 2014 , 281, 5237-50	16
467	Effects of aflibercept on primary RPE cells: toxicity, wound healing, uptake and phagocytosis. 2014 , 98, 1448-52	35
466	Effects of the novel compound DK223 ([1E,2E-1,2-Bis(6-methoxy-2H-chromen-3-yl)methylene]hydrazine) on migration and proliferation of human keratinocytes and primary dermal fibroblasts. 2014 , 15, 13091-110	8
465	Overexpression of progelatinase B/proMMP-9 affects migration regulatory pathways and impairs chronic lymphocytic leukemia cell homing to bone marrow and spleen. 2014 , 96, 185-99	19
464	Reversing multidrug resistance in hepatocellular carcinoma cells by inhibiting extracellular signal-regulated kinase/mitogen-activated protein kinase signaling pathway activity. 2014 , 8, 2333-2339	27
463	Transforming growth factor beta receptor type III is a tumor promoter in mesenchymal-stem like triple negative breast cancer. 2014 , 16, R69	37
462	Src tyrosine kinase mediates platelet-derived growth factor BB-induced and redox-dependent migration in metanephric mesenchymal cells. 2014 , 306, F85-97	12
461	The roles of Wnt5a, JNK and paxillin in the occurrence of metastasis of pancreatic adenocarcinoma. 2014 , 19, 1011-9	13
460	Antitumor effects of the flavone chalcone: inhibition of invasion and migration through the FAK/JNK signaling pathway in human gastric adenocarcinoma AGS cells. 2014 , 391, 47-58	15

459	Acidic priming enhances metastatic potential of cancer cells. 2014 , 466, 2127-38		35
458	GABA(A) receptor pi (GABRP) stimulates basal-like breast cancer cell migration through activation of extracellular-regulated kinase 1/2 (ERK1/2). 2014 , 289, 24102-13		42
457	Overexpression of progelatinase B/proMMP-9 affects migration regulatory pathways and impairs chronic lymphocytic leukemia cell homing to bone marrow and spleen. 2014 ,		1
456	Nicotine exposure alters human vascular smooth muscle cell phenotype from a contractile to a synthetic type. 2014 , 237, 464-70		37
455	Contribution of sodium channels to lamellipodial protrusion and Rac1 and ERK1/2 activation in ATP-stimulated microglia. 2014 , 62, 2080-95		24
454	Therapeutic potential of Panax ginseng and ginsenosides in the treatment of chronic obstructive pulmonary disease. 2014 , 22, 944-53		34
453	Transmembrane adaptor protein PAG/CBP is involved in both positive and negative regulation of mast cell signaling. 2014 , 34, 4285-300		19
452	Mechano growth factor E peptide regulates migration and differentiation of bone marrow mesenchymal stem cells. 2014 , 52, 111-20		30
451	MEKK2 regulates focal adhesion stability and motility in invasive breast cancer cells. 2014 , 1843, 945-54		19
450	Celiac disease and reproductive disorders: meta-analysis of epidemiologic associations and potential pathogenic mechanisms. 2014 , 20, 582-93		84
449	MLK3 regulates fMLP-stimulated neutrophil motility. 2014 , 58, 214-22		17
448	Loss of p27 upregulates MnSOD in a STAT3-dependent manner, disrupts intracellular redox activity and enhances cell migration. <i>Journal of Cell Science</i> , 2014 , 127, 2920-33	5-3	23
447	Global analysis of muscle-specific kinase signaling by quantitative phosphoproteomics. 2014 , 13, 1993-2003		9
446	Antifibrotic properties of epigallocatechin-3-gallate in endometriosis. 2014 , 29, 1677-87		55
445	Flavonoids promoting HaCaT migration: II. Molecular mechanism of 4O,7-trimethoxyisoflavone via NOX2 activation. 2014 , 21, 570-7		14
444	uPAR and cathepsin B-mediated compartmentalization of JNK regulates the migration of glioma-initiating cells. 2014 , 12, 716-29		20
443	Alpha2beta1 integrin promotes T cell survival and migration through the concomitant activation of ERK/Mcl-1 and p38 MAPK pathways. <i>Cellular Signalling</i> , 2014 , 26, 2008-15	4-9	43
442	Inhibition of adipocyte inflammation and macrophage chemotaxis by butein. 2014 , 738, 40-8		39

441	Short-term hypoxia enhances the migratory capability of dendritic cell through HIF-1 α and PI3K/Akt pathway. 2014 , 229, 2067-76	29
440	Np63 β regulates Erk signaling via MKP3 to inhibit cancer metastasis. 2014 , 33, 212-24	35
439	PP2A inhibitors suppress migration and growth of PANC-1 pancreatic cancer cells through inhibition on the Wnt/ β catenin pathway by phosphorylation and degradation of β catenin. 2014 , 32, 513-22	32
438	Protein tyrosine kinase 7 plays a tumor suppressor role by inhibiting ERK and AKT phosphorylation in lung cancer. 2014 , 31, 2708-12	25
437	Pharmacological suppression of the Ras/MAPK pathway in thyroid carcinoma cells can provoke opposite effects on cell migration and proliferation: The appearance of yin-yang effects and the need of combinatorial treatments. 2014 , 45, 2587-95	10
436	Agonist binding to β adrenergic receptors on human airway epithelial cells inhibits migration and wound repair. 2015 , 309, C847-55	12
435	PTEN regulates lung endodermal morphogenesis through MEK/ERK pathway. 2015 , 408, 56-65	8
434	Osthole ameliorates hepatic fibrosis and inhibits hepatic stellate cell activation. 2015 , 22, 63	34
433	Novel naphthochalcone derivative accelerate dermal wound healing through induction of epithelial-mesenchymal transition of keratinocyte. 2015 , 22, 47	7
432	Crosstalk between VEGF and MTA1 signaling pathways contribute to aggressiveness of breast carcinoma. 2015 , 54, 333-50	21
431	A novel synthetic oleanane triterpenoid suppresses adhesion, migration, and invasion of highly metastatic melanoma cells by modulating gelatinase signaling axis. 2015 , 54, 654-67	6
430	PLX4032 Mediated Melanoma Associated Antigen Potentiation in Patient Derived Primary Melanoma Cells. 2015 , 6, 1320-30	6
429	Mycosporine-Like Amino Acids Promote Wound Healing through Focal Adhesion Kinase (FAK) and Mitogen-Activated Protein Kinases (MAP Kinases) Signaling Pathway in Keratinocytes. 2015 , 13, 7055-66	29
428	Antiangiogenic Activity of Acer tegmentosum Maxim Water Extract in Vitro and in Vivo. 2015 , 30, 979-87	7
427	Dopamine increases CD14+CD16+ monocyte migration and adhesion in the context of substance abuse and HIV neuropathogenesis. 2015 , 10, e0117450	35
426	Cleavage of host cytokeratin-6 by lysine-specific gingipain induces gingival inflammation in periodontitis patients. 2015 , 10, e0117775	15
425	Cellular Adhesion Promotes Prostate Cancer Cells Escape from Dormancy. 2015 , 10, e0130565	39
424	Loss of flfl Triggers JNK-Dependent Cell Death in Drosophila. 2015 , 2015, 623573	8

423	MAP Kinase Modules in Signaling. 2015 ,	
422	Microenvironment involved in FPR1 expression by human glioblastomas. 2015 , 123, 53-63	6
421	Sodium-calcium exchanger 1 regulates epithelial cell migration via calcium-dependent extracellular signal-regulated kinase signaling. 2015 , 290, 12463-73	14
420	Fbxw7 regulates hepatocellular carcinoma migration and invasion via Notch1 signaling pathway. 2015 , 47, 231-43	28
419	Bortezomib inhibits gastric carcinoma HGC-27 cells through the phospho-Jun N-terminal kinase (p-JNK) pathway in vitro. 2015 , 559, 164-71	3
418	HuR mediates the synergistic effects of angiotensin II and IL-1 β on vascular COX-2 expression and cell migration. 2015 , 172, 3028-42	23
417	TRPM7 regulates vascular endothelial cell adhesion and tube formation. 2015 , 308, C308-18	24
416	Effect of surface chemistry on the integrin induced pathway in regulating vascular endothelial cells migration. 2015 , 126, 188-97	27
415	MiR-139-5p: promising biomarker for cancer. 2015 , 36, 1355-65	66
414	Inhibitory effects of niclosamide on inflammation and migration of fibroblast-like synoviocytes from patients with rheumatoid arthritis. 2015 , 64, 225-33	29
413	Extracellular calumenin suppresses ERK1/2 signaling and cell migration by protecting fibulin-1 from MMP-13-mediated proteolysis. 2015 , 34, 1006-18	26
412	Neutralization of osteopontin attenuates neutrophil migration in sepsis-induced acute lung injury. 2015 , 19, 53	63
411	The multi-targeted tyrosine kinase inhibitor vandetanib plays a bifunctional role in non-small cell lung cancer cells. 2015 , 5, 8629	17
410	Snail promotes cell migration through PI3K/AKT-dependent Rac1 activation as well as PI3K/AKT-independent pathways during prostate cancer progression. 2015 , 9, 255-64	40
409	Grb2 monomer-dimer equilibrium determines normal versus oncogenic function. 2015 , 6, 7354	29
408	Isoniazid prevents Nrf2 translocation by inhibiting ERK1 phosphorylation and induces oxidative stress and apoptosis. 2015 , 6, 80-92	26
407	Disabled homolog 2 is required for migration and invasion of prostate cancer cells. 2015 , 9, 312-21	10
406	The de-ubiquitinase UCHL1 promotes gastric cancer metastasis via the Akt and Erk1/2 pathways. 2015 , 36, 8379-87	32

405	JNK signaling is converted from anti- to pro-tumor pathway by Ras-mediated switch of Warts activity. 2015 , 403, 162-71		45
404	Sec8 regulates cyokeratin8 phosphorylation and cell migration by controlling the ERK and p38 MAPK signalling pathways. <i>Cellular Signalling</i> , 2015 , 27, 1110-9	4.9	18
403	Identification of kinases and regulatory proteins required for cell migration using a transfected cell-microarray system. 2015 , 16, 9		2
402	17Estradiol inhibits spreading of metastatic cells from granulosa cell tumors through a non-genomic mechanism involving GPER1. 2015 , 36, 564-73		21
401	Differential proteomic analysis on the effects of 2-methoxy-1,4-naphthoquinone towards MDA-MB-231 cell line. 2015 , 22, 517-27		6
400	Recent insights into the actions of IGFBP-6. 2015 , 9, 189-200		39
399	Marine-derived biological macromolecule-based biomaterials for wound healing and skin tissue regeneration. 2015 , 77, 24-35		92
398	Phosphorylation of Serine 402 Regulates RacGAP Protein Activity of FilGAP Protein. 2015 , 290, 26328-38		11
397	The RAF-MEK-ERK pathway: targeting ERK to overcome obstacles to effective cancer therapy. 2015 , 7, 269-89		54
396	Protocatechuic Acid from <i>Alpinia oxyphylla</i> Induces Schwann Cell Migration via ERK1/2, JNK and p38 Activation. 2015 , 43, 653-65		24
395	Emetine inhibits migration and invasion of human non-small-cell lung cancer cells via regulation of ERK and p38 signaling pathways. 2015 , 242, 25-33		33
394	The anacardic 6-pentadecyl salicylic acid induces macrophage activation via the phosphorylation of ERK1/2, JNK, P38 kinases and NF-B. 2015 , 29, 808-817		14
393	Discontinuing MEK inhibitors in tumor cells with an acquired resistance increases migration and invasion. <i>Cellular Signalling</i> , 2015 , 27, 2191-200	4.9	3
392	MCPIP1 Regulates Fibroblast Migration in 3-D Collagen Matrices Downstream of MAP Kinases and NF-B. 2015 , 135, 2944-2954		13
391	Actin cytoskeleton organization, cell surface modification and invasion rate of 5 glioblastoma cell lines differing in PTEN and p53 status. 2015 , 330, 346-357		23
390	A cadherin switch underlies malignancy in high-grade gliomas. 2015 , 34, 1991-2002		22
389	Fluoxetine signature on hippocampal MAPK signalling in sex-dependent manner. 2015 , 55, 335-46		6
388	Modulation of B-cell receptor and microenvironment signaling by a guanine exchange factor in B-cell malignancies. 2016 , 13, 277-85		2

387	A Novel Role of Cab45-G in Mediating Cell Migration in Cancer Cells. 2016 , 12, 677-87	9
386	Prognostic significance and function of the vacuolar H ⁺ -ATPase subunit V1E1 in esophageal squamous cell carcinoma. 2016 , 7, 49334-49348	10
385	Differential CCR7 Targeting in Dendritic Cells by Three Naturally Occurring CC-Chemokines. 2016 , 7, 568	39
384	Bacterial Toxins as Pathogen Weapons Against Phagocytes. 2016 , 7, 42	48
383	A MAPK-Driven Feedback Loop Suppresses Rac Activity to Promote RhoA-Driven Cancer Cell Invasion. 2016 , 12, e1004909	32
382	Role of Periostin in Adhesion and Migration of Bone Remodeling Cells. 2016 , 11, e0147837	29
381	MAPKs and Hsc70 are critical to the protective effect of molecular hydrogen during the early phase of acute pancreatitis. 2016 , 283, 738-56	20
380	Calcium Hydroxide-induced Proliferation, Migration, Osteogenic Differentiation, and Mineralization via the Mitogen-activated Protein Kinase Pathway in Human Dental Pulp Stem Cells. 2016 , 42, 1355-61	24
379	Influence of zoledronic acid on proliferation, migration, and apoptosis of vascular endothelial cells. 2016 , 54, 889-893	18
378	Sodium channels in astroglia and microglia. 2016 , 64, 1628-45	45
377	Oroxilin A inhibits invasion and migration through suppressing ERK/GSK-3 β signaling in snail-expressing non-small-cell lung cancer cells. 2016 , 55, 2121-2134	22
376	High fluence light emitting diode-generated red light modulates characteristics associated with skin fibrosis. 2016 , 9, 1167-1179	23
375	Role of mitogen-activated protein kinase pathways in migration of gingival epithelial cells in response to stimulation by cigarette smoke condensate and infection by <i>Porphyromonas gingivalis</i> . 2016 , 51, 613-21	10
374	Cellular microenvironment modulates the galvanotaxis of brain tumor initiating cells. 2016 , 6, 21583	26
373	Patient derived mutation W257G of PPP2R1A enhances cancer cell migration through SRC-JNK-c-Jun pathway. 2016 , 6, 27391	19
372	Microvesicles provide a mechanism for intercellular communication by embryonic stem cells during embryo implantation. 2016 , 7, 11958	123
371	Regulating the effects of GPR21, a novel target for type 2 diabetes. 2016 , 6, 27002	15
370	Reciprocal stimulation of pancreatic acinar and stellate cells in a novel long-term <i>in vitro</i> co-culture model. 2016 , 16, 570-7	7

- 369 Modeling keratinocyte wound healing dynamics: Cell-cell adhesion promotes sustained collective migration. **2016**, 400, 103-17 41
- 368 Estrogen and testosterone in concert with EFNB3 regulate vascular smooth muscle cell contractility and blood pressure. **2016**, 310, H861-72 15
- 367 Long-term exposures to low doses of silver nanoparticles enhanced in vitro malignant cell transformation in non-tumorigenic BEAS-2B cells. **2016**, 37, 41-49 34
- 366 Dietary flavonoid luteolin attenuates uropathogenic Escherichia. Coli invasion of the urinary bladder. **2016**, 42, 674-685 11
- 365 MiR-211/STAT5A Signaling Modulates Migration of Mesenchymal Stem Cells to Improve its Therapeutic Efficacy. **2016**, 34, 1846-58 28
- 364 Decreased expression of LncRNA SLC25A25-AS1 promotes proliferation, chemoresistance, and EMT in colorectal cancer cells. **2016**, 37, 14205-14215 44
- 363 Identification of NEK3 Kinase Threonine 165 as a Novel Regulatory Phosphorylation Site That Modulates Focal Adhesion Remodeling Necessary for Breast Cancer Cell Migration. **2016**, 291, 21388-21406 13
- 362 Silymarin attenuates cigarette smoke extract-induced inflammation via simultaneous inhibition of autophagy and ERK/p38 MAPK pathway in human bronchial epithelial cells. **2016**, 6, 37751 66
- 361 An integrin $\alpha 5$ antagonistic modified peptide inhibits tumor growth through inhibition of the ERK and AKT signaling pathways. **2016**, 36, 1953-62 8
- 360 Wip 1 inhibits intestinal inflammation in inflammatory bowel disease. **2016**, 310, 63-70 7
- 359 Timosaponin AIII inhibits migration and invasion of A549 human non-small-cell lung cancer cells via attenuations of MMP-2 and MMP-9 by inhibitions of ERK1/2, Src/FAK and E-catenin signaling pathways. **2016**, 26, 3963-7 45
- 358 Co-culture with neonatal cardiomyocytes enhances the proliferation of iPSC-derived cardiomyocytes via FAK/JNK signaling. **2016**, 16, 11 8
- 357 Human breast cancer-derived soluble factors facilitate CCL19-induced chemotaxis of human dendritic cells. **2016**, 6, 30207 15
- 356 Cellular adhesome screen identifies critical modulators of focal adhesion dynamics, cellular traction forces and cell migration behaviour. **2016**, 6, 31707 26
- 355 PLGF knockdown inhibited tumor survival and migration in gastric cancer cell via PI3K/Akt and p38MAPK pathways. **2016**, 34, 173-80 24
- 354 Visible Red Light Emitting Diode Photobiomodulation for Skin Fibrosis: Key Molecular Pathways. **2016**, 5, 121-128 20
- 353 A Thermodynamic-Based Interpretation of Protein Expression Heterogeneity in Different Glioblastoma Multiforme Tumors Identifies Tumor-Specific Unbalanced Processes. **2016**, 120, 5990-7 8
- 352 Signaling Pathways in Dental Stem Cells During Their Maintenance and Differentiation. **2016**, 69-92

351	Effect of CCL2 on BV2 microglial cell migration: Involvement of probable signaling pathways. 2016 , 81, 39-49	15
350	CDCP1 cleavage is necessary for homodimerization-induced migration of triple-negative breast cancer. 2016 , 35, 4762-72	26
349	ERK and AKT phosphorylation status in lung cancer and emphysema using nanocapillary isoelectric focusing. 2016 , 3, e000114	13
348	PP2A binds to the LIM domains of lipoma-preferred partner through its PR130/B β subunit to regulate cell adhesion and migration. <i>Journal of Cell Science</i> , 2016 , 129, 1605-18	5-3 18
347	Differential Activation of Mitogen-Activated Protein Kinases, ERK 1/2, p38(MAPK) and JNK p54/p46 During Postnatal Development of Rat Hippocampus. 2016 , 41, 1160-9	20
346	The MAP3K ZAK, a novel modulator of ERK-dependent migration, is upregulated in colorectal cancer. 2016 , 35, 3190-200	19
345	WNT/ β -catenin signaling regulates cigarette smoke-induced airway inflammation via the PPAR γ /p38 pathway. 2016 , 96, 218-29	36
344	New Wnt/ β -catenin target genes promote experimental metastasis and migration of colorectal cancer cells through different signals. 2016 , 65, 1690-701	116
343	Electroacupuncture attenuates spinal nerve ligation-induced microglial activation mediated by p38 mitogen-activated protein kinase. 2016 , 22, 704-13	18
342	Inhibitory effect of blue light emitting diode on migration and invasion of cancer cells. 2017 , 232, 3444-3453	22
341	Epidermal growth factor receptor (EGFR)-MAPK-nuclear factor(NF)- κ -IL8: A possible mechanism of particulate matter(PM) 2.5-induced lung toxicity. 2017 , 32, 1628-1636	27
340	MAPK pathways regulation by DUSP1 in the development of osteosarcoma: Potential markers and therapeutic targets. 2017 , 56, 1630-1641	14
339	Dehydroandrographolide inhibits oral cancer cell migration and invasion through NF- κ -, AP-1-, and SP-1-modulated matrix metalloproteinase-2 inhibition. 2017 , 130, 10-20	39
338	Human Th17 Migration in Three-Dimensional Collagen Involves p38 MAPK. 2017 , 118, 2819-2827	3
337	Green tea and its anti-angiogenesis effects. 2017 , 89, 949-956	122
336	Indirubin inhibits the migration, invasion, and activation of fibroblast-like synoviocytes from rheumatoid arthritis patients. 2017 , 66, 433-440	14
335	Activated niacin receptor HCA2 inhibits chemoattractant-mediated macrophage migration via GPCR/ERK1/2 pathway and heterologous receptor desensitization. 2017 , 7, 42279	20
334	Insulin induction instigates cell proliferation and metastasis in human colorectal cancer cells. 2017 , 50, 736-744	27

333	Focal adhesion kinase activity is required for actomyosin contractility-based invasion of cells into dense 3D matrices. 2017 , 7, 42780		34
332	RSK activation via ERK modulates human colon cancer cells response to PTHrP. 2017 , 59, 13-27		12
331	LASP2 suppresses colorectal cancer progression through JNK/p38 MAPK pathway mediated epithelial-mesenchymal transition. 2017 , 15, 21		31
330	Directional Matrix Nanotopography with Varied Sizes for Engineering Wound Healing. 2017 , 6, 1700297		23
329	NUBPL, a novel metastasis-related gene, promotes colorectal carcinoma cell motility by inducing epithelial-mesenchymal transition. 2017 , 108, 1169-1176		5
328	Target Identification of Kinase Inhibitor Alisertib (MLN8237) by Using DNA-Programmed Affinity Labeling. 2017 , 23, 10906-10914		19
327	Andrographolide Benefits Rheumatoid Arthritis via Inhibiting MAPK Pathways. 2017 , 40, 1599-1605		37
326	ATP-induced Ca-signalling mechanisms in the regulation of mesenchymal stem cell migration. 2017 , 74, 3697-3710		34
325	6-Formylindolo[3,2-b]Carbazole Accelerates Skin Wound Healing via Activation of ERK, but Not Aryl Hydrocarbon Receptor. 2017 , 137, 2217-2226		17
324	Transcription factor FOXO1 promotes cell migration toward exogenous ATP via controlling P2Y1 receptor expression in lymphatic endothelial cells. 2017 , 489, 413-419		7
323	Vascular endothelial growth factor influences migration and focal adhesions, but not proliferation or viability, of human neural stem/progenitor cells derived from olfactory epithelium. 2017 , 108, 417-425		8
322	Comparative study of the efficacy of pulsed electromagnetic field and low level laser therapy on mitogen-activated protein kinases. 2017 , 9, 316-321		4
321	Carbon Monoxide-Releasing Molecule-401 Suppresses Polymorphonuclear Leukocyte Migratory Potential by Modulating F-Actin Dynamics. 2017 , 187, 1121-1133		9
320	Down-regulation of cyclin-dependent kinase-4 and MAPK through estrogen receptor mediated cell cycle arrest in human breast cancer induced by gold nanoparticle tagged toxin protein NKCT1. 2017 , 268, 119-128		4
319	The antiproliferative and apoptotic effects of apigenin on glioblastoma cells. 2017 , 69, 907-916		18
318	TNF- α induced LRG1 promotes angiogenesis and mesenchymal stem cell migration in the subchondral bone during osteoarthritis. <i>Cell Death and Disease</i> , 2017 , 8, e2715	9.8	84
317	Regulation of cell migration via the EGFR signaling pathway in oral squamous cell carcinoma cells. 2017 , 13, 930-936		18
316	Measuring ERK Activity Dynamics in Single Living Cells Using FRET Biosensors. 2017 , 1487, 203-221		4

315	Halofuginone inhibits TNF- α -induced the migration and proliferation of fibroblast-like synoviocytes from rheumatoid arthritis patients. 2017 , 43, 187-194	22
314	Biochanin-A induces apoptosis and suppresses migration in FaDu human pharynx squamous carcinoma cells. 2017 , 38, 2985-2992	13
313	Full-Length Isoforms of Kaposi's Sarcoma-Associated Herpesvirus Latency-Associated Nuclear Antigen Accumulate in the Cytoplasm of Cells Undergoing the Lytic Cycle of Replication. 2017 , 91,	7
312	Subcellular Fractionation for ERK Activation Upon Mitochondrial-derived Peptide Treatment. 2017 ,	2
311	Biomechanical strain-induced modulation of proliferation coincides with an ERK1/2-independent nuclear YAP localization. 2017 , 361, 93-100	11
310	Ginsenoside Rb1 prevents homocysteine-induced EPC dysfunction via VEGF/p38MAPK and SDF-1/CXCR4 activation. 2017 , 7, 13061	16
309	The transcription factor HOXB7 regulates ERK kinase activity and thereby stimulates the motility and invasiveness of pancreatic cancer cells. 2017 , 292, 17681-17702	15
308	Streptococcus salivarius MS-oral-D6 promotes gingival re-epithelialization in vitro through a secreted serine protease. 2017 , 7, 11100	9
307	Regulation of focal adhesion turnover in SDF-1 β -stimulated migration of mesenchymal stem cells in neural differentiation. 2017 , 7, 10013	12
306	Rice callus extracts for enhancing skin wound healing. 2017 , 22, 352-358	2
305	ERK signalling as a regulator of cell motility. 2017 , 162, 145-154	92
304	SIRT-1 regulates TGF- β -induced dermal fibroblast migration via modulation of Cyr61 expression. 2018 , 59, 245-254	3
303	Gestational Age and Sex Influence the Susceptibility of Human Neural Progenitor Cells to Low Levels of MeHg. 2017 , 32, 683-693	18
302	Quantitative investigation of MDA-MB-231 breast cancer cell motility: dependence on epidermal growth factor concentration and its gradient. 2017 , 13, 2069-2082	7
301	Butyrate suppresses motility of colorectal cancer cells via deactivating Akt/ERK signaling in histone deacetylase dependent manner. 2017 , 135, 148-155	43
300	Propagating Wave of ERK Activation Orients Collective Cell Migration. 2017 , 43, 305-317.e5	129
299	Silibinin inhibits the migration and invasion of human gastric cancer SGC7901 cells by downregulating MMP-2 and MMP-9 expression via the p38MAPK signaling pathway. 2017 , 14, 7577-7582	18
298	Reduction in Migratory Phenotype in a Metastasized Breast Cancer Cell Line via Downregulation of S100A4 and GRM3. 2017 , 7, 3459	17

297	Targeting cancer cell integrins using gold nanorods in photothermal therapy inhibits migration through affecting cytoskeletal proteins. 2017 , 114, E5655-E5663	121
296	Aspartame inhibits migration of human intestinal epithelial cells. 2017 , 41, e12341	1
295	YAP-dependent mechanotransduction is required for proliferation and migration on native-like substrate topography. 2017 , 115, 155-166	37
294	Cell death-independent activities of the death receptors CD95, TRAILR1, and TRAILR2. 2017 , 284, 1131-1159	46
293	Wound healing effects of deoxyshikonin isolated from Jawoongo: In vitro and in vivo studies. 2017 , 199, 128-137	13
292	Anthocyanidins inhibit epithelial-mesenchymal transition through a TGF β /Smad2 signaling pathway in glioblastoma cells. 2017 , 56, 1088-1099	28
291	Release of Prometastatic Platelet-Derived Microparticles Induced by Breast Cancer Cells: A Novel Positive Feedback Mechanism for Metastasis. 2017 , 1, e155-e163	14
290	Stress-activated MAPKs and CRM1 regulate the subcellular localization of Net1A to control cell motility and invasion. <i>Journal of Cell Science</i> , 2018 , 131,	5-3 4
289	Consequences of Keratin Phosphorylation for Cytoskeletal Organization and Epithelial Functions. 2017 , 330, 171-225	26
288	DUSP1 regulates apoptosis and cell migration, but not the JIP1-protected cytokine response, during Respiratory Syncytial Virus and Sendai Virus infection. 2017 , 7, 17388	11
287	Modulation of the mesenchymal stem cell migration capacity via preconditioning with topographic microstructure. 2017 , 67, 267-278	2
286	GnRH Induces ERK-Dependent Bleb Formation in Gonadotrope Cells, Involving Recruitment of Members of a GnRH Receptor-Associated Signalosome to the Blebs. 2017 , 8, 113	5
285	dMyc is required in retinal progenitors to prevent JNK-mediated retinal glial activation. 2017 , 13, e1006647	7
284	High-density lipoproteins attenuate high glucose-impaired endothelial cell signaling and functions: potential implications for improved vascular repair in diabetes. 2017 , 16, 121	13
283	Coix lacryma-jobi var. ma-yuen Stapf sprout extract has anti-metastatic activity in colon cancer cells in vitro. 2017 , 17, 486	15
282	Strong enhancement by IGF1-R antagonists of hepatocellular carcinoma cell migration inhibition by Sorafenib and/or vitamin K1. 2018 , 41, 283-296	14
281	A novel endogenous damage signal, glycyl tRNA synthetase, activates multiple beneficial functions of mesenchymal stem cells. 2018 , 25, 2023-2036	13
280	Targeting EGFR-mediated autophagy as a potential strategy for cancer therapy. 2018 , 143, 2116-2125	46

279	PCV2 infection aggravates ochratoxin A-induced nephrotoxicity via autophagy involving p38 signaling pathway in vivo and in vitro. 2018 , 238, 656-662	14
278	MAPK and PI3K signaling: At the crossroads of neural crest development. 2018 , 444 Suppl 1, S79-S97	29
277	Cell death-based treatments of melanoma: conventional treatments and new therapeutic strategies. <i>Cell Death and Disease</i> , 2018 , 9, 112	9.8 65
276	Neutrophil chemotaxis. 2018 , 371, 425-436	71
275	Molecular and functional characterization of tumor-induced factor (TIF): Hamster homolog of CXCL3 (GRO) displays tumor suppressive activity. 2018 , 102, 62-75	2
274	GCN5 Regulates FGF Signaling and Activates Selective MYC Target Genes during Early Embryoid Body Differentiation. 2018 , 10, 287-299	19
273	Small molecule purine and pseudopurine derivatives: synthesis, cytostatic evaluations and investigation of growth inhibitory effect in non-small cell lung cancer A549. 2018 , 33, 271-285	13
272	Oxymatrine attenuates lipopolysaccharide-induced acute lung injury by activating the epithelial sodium channel and suppressing the JNK signaling pathway. 2018 , 67, 337-347	12
271	MCP-1 is overexpressed in triple-negative breast cancers and drives cancer invasiveness and metastasis. 2018 , 170, 477-486	50
270	Active Protection: Learning-Activated Raf/MAPK Activity Protects Labile Memory from Rac1-Independent Forgetting. 2018 , 98, 142-155.e4	16
269	IDH-Inhibiting Small Molecule DTDQ Inhibits Migration and Invasion of A549 Human Non-Small-Cell Lung Cancer Cells via Sequential Inactivation Of ERK and P38 Signaling Pathways. 2018 , 76, 255-263	2
268	Stem Cell Secretome and Its Effect on Cellular Mechanisms Relevant to Wound Healing. 2018 , 26, 606-617	80
267	MANF Promotes Differentiation and Migration of Neural Progenitor Cells with Potential Neural Regenerative Effects in Stroke. 2018 , 26, 238-255	43
266	Epigenetic silencing of the dual-role signal mediator, ANGPTL4 in tumor tissues and its overexpression in the urothelial carcinoma microenvironment. 2018 , 37, 673-686	18
265	Calcitonin gene-related peptide (CGRP): role in peripheral nerve regeneration. 2018 , 29, 369-376	19
264	A catalytically inactive gelatinase B/MMP-9 mutant impairs homing of chronic lymphocytic leukemia cells by altering migration regulatory pathways. 2018 , 495, 124-130	4
263	PDGFR inhibition mediated intracellular signalling in C6 glioma growth and migration: role of ERK and ROCK pathway. 2018 , 70, 465-477	4
262	Live-Cell FRET Imaging Reveals a Role of Extracellular Signal-Regulated Kinase Activity Dynamics in Thymocyte Motility. 2018 , 10, 98-113	7

261	Effects of Nicotine Contained in Tobacco Mainstream Smoke on Vascular Smooth Muscle Cells. 2018,	
260	Celecoxib suppresses cutaneous squamous-cell carcinoma cell migration via inhibition of SDF1-induced endocytosis of CXCR4. 2018, 11, 8063-8071	5
259	SAK-HV Promotes RAW264.7 cells Migration Mediated by MCP-1 via JNK and NF- κ B Pathways. 2018, 14, 1993-2002	4
258	Extracellular Protein Fibulin-7 and Its C-Terminal Fragment Have In Vivo Antiangiogenic Activity. 2018, 8, 17654	9
257	promoted tumor invasion and proliferation via facilitating the phosphorylation of FAK signaling and associated with adverse clinical outcome of non-small cell lung cancer patients. 2018, 11, 7493-7501	5
256	Timosaponin AIII: A novel potential anti-tumor compound from <i>Anemarrhena asphodeloides</i> . 2018, 140, 125-130	20
255	Extremely low frequency electromagnetic fields promote mesenchymal stem cell migration by increasing intracellular Ca and activating the FAK/Rho GTPases signaling pathways in vitro. 2018, 9, 143	21
254	Three-Dimensional Nanostructured Architectures Enable Efficient Neural Differentiation of Mesenchymal Stem Cells via Mechanotransduction. 2018, 18, 7188-7193	44
253	ERK activating peptide, AES16-2M promotes wound healing through accelerating migration of keratinocytes. 2018, 8, 14398	14
252	Emergent memory in cell signaling: Persistent adaptive dynamics in cascades can arise from the diversity of relaxation time-scales. 2018, 8, 13230	7
251	Reactive oxygen species stimulated pulmonary epithelial cells mediate the alveolar recruitment of FasL killer B cells in LPS-induced acute lung injuries. 2018, 104, 1187-1198	11
250	Catalytic domain mutation in CYLD inactivates its enzyme function by structural perturbation and induces cell migration and proliferation. 2018, 1862, 2081-2089	2
249	Ropivacaine inhibits the migration of esophageal cancer cells via sodium-channel-independent but prenylation-dependent inhibition of Rac1/JNK/paxillin/FAK. 2018, 501, 1074-1079	22
248	Luteolin Decreases Epidermal Growth Factor Receptor-Mediated Cell Proliferation and Induces Apoptosis in Glioblastoma Cell Lines. 2018, 123, 678-686	25
247	Qi-Dong-Huo-Xue-Yin Inhibits Inflammation in Acute Lung Injury in Mice via Toll-Like Receptor 4/Caveolin-1 Signaling. 2018, 2018, 2373609	2
246	RECK isoforms have opposing effects on cell migration. 2018, 29, 1825-1838	15
245	Molecular mechanisms underlying the antimetastatic activity of bufalin. 2018, 8, 631-636	13
244	Fenretinide inhibits the proliferation and migration of human liver cancer HepG2 cells by downregulating the activation of myosin light chain kinase through the p38-MAPK signaling pathway. 2018, 40, 518-526	10

243	Binding of Dickkopf-3 to CXCR7 Enhances Vascular Progenitor Cell Migration and Degradable Graft Regeneration. 2018 , 123, 451-466	21
242	Aryl Hydrocarbon Receptor Antagonists Mitigate the Effects of Dioxin on Critical Cellular Functions in Differentiating Human Osteoblast-Like Cells. 2018 , 19,	12
241	Anticancer Activity of Euplotin C, Isolated from the Marine Ciliate , Against Human Melanoma Cells. 2018 , 16,	17
240	Myeloperoxidase promotes tube formation, triggers ERK1/2 and Akt pathways and is expressed endogenously in endothelial cells. 2018 , 654, 55-69	12
239	Distinct Roles of Small GTPases Rac1 and Rac2 in Histamine H Receptor-Mediated Chemotaxis of Mast Cells. 2018 , 367, 9-19	3
238	KREAP: an automated Galaxy platform to quantify in vitro re-epithelialization kinetics. 2018 , 7,	3
237	Reversine inhibits Colon Carcinoma Cell Migration by Targeting JNK1. 2018 , 8, 11821	12
236	Hydrogen sulfide epigenetically mitigates bone loss through OPG/RANKL regulation during hyperhomocysteinemia in mice. 2018 , 114, 90-108	44
235	Transcriptome sequencing analysis reveals the effect of combinative treatment with low-intensity pulsed ultrasound and magnesium ions on hFOB1.19 human osteoblast cells. 2018 , 18, 749-762	5
234	Use of 0.4-Tesla static magnetic field to promote reparative dentine formation of dental pulp stem cells through activation of p38 MAPK signalling pathway. 2019 , 52, 28-43	9
233	Prenatal Environment That Affects Neuronal Migration. 2019 , 7, 138	8
232	The peroxidase PRDX1 inhibits the activated phenotype in mammary fibroblasts through regulating c-Jun N-terminal kinases. 2019 , 19, 812	6
231	Phosphorylation of NF- κ B in Cancer. 2019 ,	1
230	Comparative characterization of the HGF/Met and MSP/Ron systems in primary pancreatic adenocarcinoma. 2019 , 123, 154762	5
229	FER promotes cell migration via regulating JNK activity. 2019 , 52, e12656	7
228	Cell volume regulation in cancer cell migration driven by osmotic water flow. 2019 , 110, 2337-2347	16
227	Signaling pathways involved in adaptive responses to cell membrane disruption. 2019 , 84, 99-127	1
226	Ginsenoside Rg3 promotes Fc gamma receptor-mediated phagocytosis of bacteria by macrophages via an extracellular signal-regulated kinase 1/2 and p38 mitogen-activated protein kinase-dependent mechanism. 2019 , 77, 105945	10

225	Estradiol inhibits fMLP-induced neutrophil migration and superoxide production by upregulating MKP-2 and dephosphorylating ERK. 2019 , 75, 105787	6
224	Proteomic analysis of therapeutic effects of Qingyi pellet on rodent severe acute pancreatitis-associated lung injury. 2019 , 118, 109300	3
223	Cdh4 Down-Regulation Impairs in Vivo Infiltration and Malignancy in Patients Derived Glioblastoma Cells. 2019 , 20,	8
222	Biological Effects of Shikonin in Human Gingival Fibroblasts via ERK 1/2 Signaling Pathway. 2019 , 24,	14
221	Lactoferrin Promotes Proliferation and Wound Healing of Human Gingival Fibroblasts -in vitro study. 2019 , 61, 18-27	
220	Low shear stress induces ERK nuclear localization and YAP activation to control the proliferation of breast cancer cells. 2019 , 510, 219-223	19
219	Plasminogen Activator Inhibitor 1 (PAI1) Promotes Actin Cytoskeleton Reorganization and Glycolytic Metabolism in Triple-Negative Breast Cancer. 2019 , 17, 1142-1154	28
218	Screening of Hydrogels for Human Pluripotent Stem Cell-Derived Neural Cells: Hyaluronan-Polyvinyl Alcohol-Collagen-Based Interpenetrating Polymer Network Provides an Improved Hydrogel Scaffold. 2019 , 19, e1900096	8
217	Contextual role of E2F1 in suppression of melanoma cell motility and invasiveness. 2019 , 58, 1701-1710	2
216	The antineoplastic agent anacardic 6-pentadecyl salicylic acid produces immunomodulation in vivo via the activation of MAPKs. 2019 , 376, 82-92	2
215	Inhibits Liver Fibrosis by Blocking TGF- β Signaling In Vivo and In Vitro. 2019 , 20,	5
214	Expression of integrins to control migration direction of electrotaxis. 2019 , 33, 9131-9141	11
213	Overexpression of PRDM5 promotes acute myeloid leukemia cell proliferation and migration by activating the JNK pathway. 2019 , 8, 3905-3917	5
212	LRG-1 enhances the migration of thyroid carcinoma cells through promotion of the epithelial-mesenchymal transition by activating MAPK/p38 signaling. 2019 , 41, 3270-3280	18
211	A microfluidic assay for the quantification of the metastatic propensity of breast cancer specimens. 2019 , 3, 452-465	47
210	Phosphorylation of Microtubule- Associated Protein 4 Promotes Hypoxic Endothelial Cell Migration and Proliferation. 2019 , 10, 368	7
209	Gypenoside LXXV Promotes Cutaneous Wound Healing In Vivo by Enhancing Connective Tissue Growth Factor Levels Via the Glucocorticoid Receptor Pathway. 2019 , 24,	8
208	Exogenous CLASP2 protein treatment enhances wound healing in vitro and in vivo. 2019 , 27, 345-359	1

207	An Integrated Global Analysis of Compartmentalized HRAS Signaling. 2019 , 26, 3100-3115.e7		22
206	Polyphenols Attenuate Inflammatory Response Via Modulating the Crosstalk Between Macrophages and Adipocytes. 2019 , 10, 286		10
205	A Novel Endogenous Damage Signal, CSF-2, Activates Multiple Beneficial Functions of Adipose Tissue-Derived Mesenchymal Stem Cells. 2019 , 27, 1087-1100		10
204	Differential effects of the Akt inhibitor MK-2206 on migration and radiation sensitivity of glioblastoma cells. 2019 , 19, 299		14
203	Focus on Cdc42 in Breast Cancer: New Insights, Target Therapy Development and Non-Coding RNAs. 2019 , 8,		26
202	High Glucose Suppresses Keratinocyte Migration Through the Inhibition of p38 MAPK/Autophagy Pathway. 2019 , 10, 24		21
201	A Molecular Link between the Circadian Clock, DNA Damage Responses, and Oncogene Activation. 2019 ,		0
200	Epidermal growth factor receptor signaling suppresses $\alpha 5 \beta 1$ integrin and promotes periodontal inflammation and bone loss. <i>Journal of Cell Science</i> , 2019 , 133,	5-3	5
199	Rho-associated kinase and zipper-interacting protein kinase, but not myosin light chain kinase, are involved in the regulation of myosin phosphorylation in serum-stimulated human arterial smooth muscle cells. 2019 , 14, e0226406		7
198	Active gel segment behaving as an active particle. 2019 , 100, 062403		2
197	ERK1/2 Phosphorylation of FHOD Connects Signaling and Nuclear Positioning Alternations in Cardiac Laminopathy. 2019 , 51, 602-616.e12		10
196	Vaccinia virus hijacks EGFR signalling to enhance virus spread through rapid and directed infected cell motility. 2019 , 4, 216-225		38
195	Exogenous glutamine impairs neutrophils migration into infections sites elicited by lipopolysaccharide by a multistep mechanism. 2019 , 51, 451-462		5
194	Vascular endothelial growth factor-C promotes human mesenchymal stem cell migration via an ERK-and FAK-dependent mechanism. 2019 , 455, 185-193		10
193	Cell migration is negatively modulated by ABCA1. 2019 , 83, 463-471		1
192	Role of PI3K/Akt on migration and invasion of MCF10A cells treated with extracellular vesicles from MDA-MB-231 cells stimulated with linoleic acid. 2019 , 13, 235-244		11
191	Fibroblast growth factor improves the motility of human mesenchymal stem cells expanded in a human plasma-derived xeno-free medium through $\alpha 5 \beta 1$ integrin. 2019 , 13, 36-45		2
190	Influence of Biochemical Cues in Human Corneal Stromal Cell Phenotype. 2019 , 44, 135-146		21

189	Polarity protein Cnoe mediates overproliferation via modulation of JNK, Ras-MAPK and Hippo signalling. 2019 , 52, e12529	5
188	Targeting β tubulin/CCT- β complex induces apoptosis and suppresses migration and invasion of highly metastatic lung adenocarcinoma. 2020 , 41, 699-710	7
187	Cellular prion protein transcriptionally regulated by NFIL3 enhances lung cancer cell lamellipodium formation and migration through JNK signaling. 2020 , 39, 385-398	12
186	CRISPR-Cas9/phosphoproteomics identifies multiple noncanonical targets of myosin light chain kinase. 2020 , 318, F600-F616	11
185	Sonic Hedgehog, a Novel Endogenous Damage Signal, Activates Multiple Beneficial Functions of Human Endometrial Stem Cells. 2020 , 28, 452-465	8
184	In primary airway epithelial cells, the unjamming transition is distinct from the epithelial-to-mesenchymal transition. 2020 , 11, 5053	41
183	Phytoglycoprotein isolated from Dioscorea batatas Decne promotes intestinal epithelial wound healing. 2020 , 18, 738-748	4
182	PD-L1 Reverse Signaling in Dermal Dendritic Cells Promotes Dendritic Cell Migration Required for Skin Immunity. 2020 , 33, 108258	10
181	Type II Collagen from Cartilage of Promotes Wound Healing in Human Dermal Fibroblasts and in Mouse Skin. 2020 , 18,	4
180	Involvement of the lipoprotein receptor LRP1 in AMP-IBP5-mediated migration and proliferation of human keratinocytes and fibroblasts. 2020 , 99, 158-167	3
179	Identification of Hub Genes in Protective Effect of Astragaloside IV on Aconitine-Induced Cardiac Damage in Zebrafish Based on Bioinformatics Analysis. 2020 , 11, 957	3
178	Targeting Neuroglial Sodium Channels in Neuroinflammatory Diseases. 2020 ,	1
177	Sodium Danshensu Inhibits Oral Cancer Cell Migration and Invasion by Modulating p38 Signaling Pathway. 2020 , 11, 568436	3
176	RasV12 Expression in Microglia Initiates Retinal Inflammation and Induces Photoreceptor Degeneration. 2020 , 61, 34	2
175	Long-Lasting Activity of ERK Kinase Depends on NFATc1 Induction and Is Involved in Cell Migration-Fusion in Murine Macrophages RAW264.7. 2020 , 21,	3
174	Hydroxybutyrate and hydroxycarboxylic acid receptor 2 agonists activate the AKT, ERK and AMPK pathways, which are involved in bovine neutrophil chemotaxis. 2020 , 10, 12491	2
173	Microcurrent Stimulation Triggers MAPK Signaling and TGF- β Release in Fibroblast and Osteoblast-Like Cell Lines. 2020 , 9,	5
172	The P2X7 purinergic receptor: a potential therapeutic target for lung cancer. 2020 , 146, 2731-2741	7

171	Coiled-coil domain containing 50-V2 protein positively regulates neurite outgrowth. 2020 , 10, 21295		
170	Uvaol Improves the Functioning of Fibroblasts and Endothelial Cells and Accelerates the Healing of Cutaneous Wounds in Mice. 2020 , 25,		6
169	The unicellular eukaryotic parasite <i>Toxoplasma gondii</i> hijacks the migration machinery of mononuclear phagocytes to promote its dissemination. 2020 , 112, 239-250		5
168	Expression and possible roles of extracellular signal-related kinases 1-2 (ERK1-2) in mouse primordial germ cell development. 2020 , 66, 399-409		1
167	Free Fatty Acid Receptor 1 Signaling Contributes to Migration, MMP-9 Activity, and Expression of IL-8 Induced by Linoleic Acid in HaCaT Cells. 2020 , 11, 595		2
166	Leukamenin E Induces K8/18 Phosphorylation and Blocks the Assembly of Keratin Filament Networks Through ERK Activation. 2020 , 21,		
165	Time-dependent effects of cellulose and gelatin-based hemostats on cellular processes of wound healing. 2020 ,		
164	MAP Kinase driven actomyosin rearrangement is a crucial regulator of monocyte to macrophage differentiation. <i>Cellular Signalling</i> , 2020 , 73, 109691	4-9	7
163	FAM46C controls antibody production by the polyadenylation of immunoglobulin mRNAs and inhibits cell migration in multiple myeloma. 2020 , 24, 4171-4182		14
162	Bosutinib prevents vascular leakage by reducing focal adhesion turnover and reinforcing junctional integrity. <i>Journal of Cell Science</i> , 2020 , 133,	5-3	10
161	Roles and Interaction of the MAPK Signaling Cascade in A β 5-35-Induced Neurotoxicity Using an Isolated Primary Hippocampal Cell Culture System. 2021 , 41, 1497-1507		1
160	Collective Migrations of Embryonic Trunk and Caudal Mesoderm-Derived Muscle Precursor Cells. 2020 , 215, 297-322		2
159	Transmissible Gastroenteritis Virus Infection Up-Regulates FcRn Expression via Nucleocapsid Protein and Secretion of TGF- β in Porcine Intestinal Epithelial Cells. 2019 , 10, 3085		7
158	RKIP in human diseases and its potential as a prognostic indicator and therapeutic target. 2020 , 337-356		
157	DT-13 inhibits breast cancer cell migration via non-muscle myosin II-A regulation in tumor microenvironment synchronized adaptations. 2020 , 22, 1591-1602		2
156	Mitogen-Activated Protein Kinase Inhibitors and T-Cell-Dependent Immunotherapy in Cancer. 2020 , 13,		11
155	A novel exopolysaccharide from marine bacterium <i>Pantoea</i> sp. YU16-S3 accelerates cutaneous wound healing through Wnt/ β catenin pathway. 2020 , 238, 116191		24
154	Hyperglycemia impairs osteoblast cell migration and chemotaxis due to a decrease in mitochondrial biogenesis. 2020 , 469, 109-118		8

153	The SHCA adapter protein cooperates with lipoma-preferred partner in the regulation of adhesion dynamics and invadopodia formation. 2020 , 295, 10535-10559	3
152	Hv1/VSOP regulates neutrophil directional migration and ERK activity by tuning ROS production. 2020 , 107, 819-831	6
151	Micro-RNA Expression Patterns Predict Metastatic Spread in Solid Pseudopapillary Neoplasms of the Pancreas. 2020 , 10, 328	7
150	Alteration of the late endocytic pathway in Charcot-Marie-Tooth type 2B disease. 2021 , 78, 351-372	10
149	Stress-activated kinases signaling pathways in cancer development. 2021 , 19, 22-31	
148	Ca ²⁺ -regulated cell migration revealed by optogenetically engineered Ca ²⁺ oscillations. 2021 , 236, 4681-4693	2
147	Nanospheres loaded with curcumin promote gut epithelial motility through F-actin-related migration signaling events. 2021 , 88, 108555	1
146	TMEM98, a novel secretory protein, promotes endothelial cell adhesion as well as vascular smooth muscle cell proliferation and migration. 2021 , 99, 536-548	1
145	Spatial confinement of chemically engineered cancer cells using large graphene oxide sheets: a new mode of cancer therapy. 2021 , 6, 979-986	0
144	The hard problem: Mechanotransduction perpetuates the myofibroblast phenotype in scleroderma fibrosis. 2021 , 29, 582-587	6
143	Hierarchical modeling of mechano-chemical dynamics of epithelial sheets across cells and tissue. 2021 , 11, 4069	0
142	Phosphoproteomic identification of vasopressin-regulated protein kinases in collecting duct cells. 2021 , 178, 1426-1444	3
141	Deletion of Myeloid Interferon Regulatory Factor 4 (Irf4) in Mouse Model Protects against Kidney Fibrosis after Ischemic Injury by Decreased Macrophage Recruitment and Activation. 2021 , 32, 1037-1052	9
140	Human milk extracellular vesicles target nodes in interconnected signalling pathways that enhance oral epithelial barrier function and dampen immune responses. 2021 , 10, e12071	15
139	Articular Chondrocyte Phenotype Regulation through the Cytoskeleton and the Signaling Processes That Originate from or Converge on the Cytoskeleton: Towards a Novel Understanding of the Intersection between Actin Dynamics and Chondrogenic Function. 2021 , 22,	10
138	Metastatic suppression by DOC2B is mediated by inhibition of epithelial-mesenchymal transition and induction of senescence. 2021 , 1	0
137	C-Jun N-terminal kinase (JNK) pathway activation is essential for dental papilla cells polarization. 2021 , 16, e0233944	1
136	Isovaleric acid ameliorates ovariectomy-induced osteoporosis by inhibiting osteoclast differentiation. 2021 , 25, 4287-4297	4

135	Sinularin, an Anti-Cancer Agent Causing Mitochondria-Modulated Apoptosis and Cytoskeleton Disruption in Human Hepatocellular Carcinoma. 2021 , 22,	3
134	Micro-Current Stimulation Has Potential Effects of Hair Growth-Promotion on Human Hair Follicle-Derived Papilla Cells and Animal Model. 2021 , 22,	5
133	Activation of the JNK/MAPK Signaling Pathway by TGF- β Enhances Neonatal Fc Receptor Expression and IgG Transcytosis. 2021 , 9,	1
132	Effects and mechanisms of histatins as novel skin wound-healing agents. 2021 , 30, 190-195	5
131	The impact of SST2 trafficking and signaling in the treatment of pancreatic neuroendocrine tumors. 2021 , 527, 111226	2
130	lncRNA Profiles Enable Prognosis Prediction and Subtyping for Esophageal Squamous Cell Carcinoma. 2021 , 9, 656554	4
129	RAF-MEK-ERK pathway in cancer evolution and treatment. 2021 ,	7
128	Breast tumor stiffness instructs bone metastasis via maintenance of mechanical conditioning. 2021 , 35, 109293	3
127	CC Chemokine Ligand 7 Derived from Cancer-Stimulated Macrophages Promotes Ovarian Cancer Cell Invasion. <i>Cancers</i> , 2021 , 13,	6.6 2
126	In vitro stimulation with radiofrequency currents promotes proliferation and migration in human keratinocytes and fibroblasts. 2021 , 40, 338-352	1
125	Effect of Electrical Stimulation on Diabetic Human Skin Fibroblast Growth and the Secretion of Cytokines and Growth Factors Involved in Wound Healing. 2021 , 10,	3
124	Translocation of LSR from tricellular corners causes macropinocytosis at cell-cell interface as a trigger for breaking out of contact inhibition. 2021 , 35, e21742	1
123	Paclitaxel Inhibits Synoviocyte Migration and Inflammatory Mediator Production in Rheumatoid Arthritis. 2021 , 12, 714566	1
122	Identification of the Effects of Chondroitin Sulfate on Inhibiting CDKs in Colorectal Cancer Based on Bioinformatic Analysis and Experimental Validation. 2021 , 11, 705939	0
121	Enhanced VEGF-A expression and mediated angiogenic differentiation in human gingival fibroblasts by stimulating with TNF- α in vitro. 2021 ,	0
120	UV Radiation-induced Impairment of Cellular Morphology and Motility is Enhanced by DUSP3/VHR Loss and FAK Activation. 2021 , 79, 261-269	1
119	Cutaneous Wound Reepithelialization. 2005 , 111-134	34
118	Health-Promoting Effects of Wine Phenolics. 2009 , 571-591	6

117	Pathogenesis of Gestational Trophoblastic Lesions. 2007 , 157-166	3
116	Recent Insights into Molecular Mechanisms That Control Growth Factor Receptor-Mediated Schwann Cell Morphological Changes During Development. 2014 , 5-27	2
115	The Role of ROS Signaling in Tumor Progression. 2010 , 103-118	1
114	The impact of JNK on neuronal migration. 2014 , 800, 37-57	8
113	The ubiquitin ligase HERC1 regulates cell migration via RAF-dependent regulation of MKK3/p38 signaling. 2020 , 10, 824	9
112	Rosette nanotubes inhibit bovine neutrophil chemotaxis. 2010 , 41, 75	7
111	Autologous micrograft accelerates endogenous wound healing response through ERK-induced cell migration.	0
110	Integrin/FAK/cortactin signaling is essential for human head and neck cancer resistance to radiotherapy. 2012 , 122, 1529-40	164
109	Coronin-1A links cytoskeleton dynamics to TCR alpha beta-induced cell signaling. 2008 , 3, e3467	62
108	Lung epithelial injury by B. anthracis lethal toxin is caused by MKK-dependent loss of cytoskeletal integrity. 2009 , 4, e4755	35
107	Synthetic heparan sulfate oligosaccharides inhibit endothelial cell functions essential for angiogenesis. 2010 , 5, e11644	47
106	Trihydrophobin 1 phosphorylation by c-Src regulates MAPK/ERK signaling and cell migration. 2012 , 7, e29920	15
105	Macrophage-associated mesenchymal stem cells assume an activated, migratory, pro-inflammatory phenotype with increased IL-6 and CXCL10 secretion. 2012 , 7, e35036	105
104	BART inhibits pancreatic cancer cell invasion by PKC β inactivation through binding to ANX7. 2012 , 7, e35674	12
103	Morphine stimulates cell migration of oral epithelial cells by delta-opioid receptor activation. 2012 , 7, e42616	27
102	Ouabain suppresses the migratory behavior of lung cancer cells. 2013 , 8, e68623	36
101	Smooth muscle β -actin (Acta2) and myofibroblast function during hepatic wound healing. 2013 , 8, e77166	80
100	IgE regulates the expression of smMLCK in human airway smooth muscle cells. 2014 , 9, e93946	7

99	Uridine 5-triphosphate promotes in vitro Schwannoma cell migration through matrix metalloproteinase-2 activation. 2014 , 9, e98998	17
98	Inhibitory effect of tanshinone IIA on rat hepatic stellate cells. 2014 , 9, e103229	20
97	Reduction of tendon adhesions following administration of Adaprev, a hypertonic solution of mannose-6-phosphate: mechanism of action studies. 2014 , 9, e112672	13
96	Asian Citrus Psyllid Expression Profiles Suggest Candidatus Liberibacter Asiaticus-Mediated Alteration of Adult Nutrition and Metabolism, and of Nymphal Development and Immunity. 2015 , 10, e0130328	55
95	Nox4 and Duox1/2 Mediate Redox Activation of Mesenchymal Cell Migration by PDGF. 2016 , 11, e0154157	17
94	Interleukin-6 stimulates Akt and p38 MAPK phosphorylation and fibroblast migration in non-diabetic but not diabetic mice. 2017 , 12, e0178232	33
93	Proliferation of Peripheral Blood-derived Endothelial Progenitor Cells from Stable Angina Subjects. 2014 , 6, 91	2
92	Identification of SYK inhibitor, R406 as a novel senolytic agent. 2020 , 12, 8221-8240	9
91	Oncogenic effects of urotensin-II in cells lacking tuberous sclerosis complex-2. 2016 , 7, 61152-61165	5
90	The role of SH3GL3 in myeloma cell migration/invasion, stemness and chemo-resistance. 2016 , 7, 73101-73113	11
89	Pin1 induces the ADP-induced migration of human dental pulp cells through P2Y1 stabilization. 2016 , 7, 85381-85392	2
88	Migration pattern, actin cytoskeleton organization and response to PI3K-, mTOR-, and Hsp90-inhibition of glioblastoma cells with different invasive capacities. 2017 , 8, 45298-45310	19
87	miR-708-5p: a microRNA with emerging roles in cancer. 2017 , 8, 71292-71316	32
86	Tenascin-C induces migration and invasion through JNK/c-Jun signalling in pancreatic cancer. 2017 , 8, 74406-74422	31
85	TRIM16 inhibits proliferation and migration through regulation of interferon beta 1 in melanoma cells. 2014 , 5, 10127-39	28
84	Genetic disruption of calpain-1 and calpain-2 attenuates tumorigenesis in mouse models of HER2+ breast cancer and sensitizes cancer cells to doxorubicin and lapatinib. 2018 , 9, 33382-33395	5
83	MEK-inhibitor PD184352 enhances the radiosensitizing effect of the Hsp90 inhibitor NVP-AUY922: the role of cell type and drug-irradiation schedule. 2018 , 9, 37379-37392	1
82	Direct contact with perivascular tumor cells enhances integrin $\alpha 3 \beta 1$ signaling and migration of endothelial cells. 2016 , 7, 43852-43867	18

81	c-Jun N-Terminal Kinase in Inflammation and Rheumatic Diseases. 2012 , 6, 220-31	45
80	Calreticulin and cellular adhesion/migration-specific signalling pathways. 2006 , 4, 45-52	6
79	Resveratrol inhibits LPS-induced inflammation through suppressing the signaling cascades of TLR4-NF- κ B/MAPKs/IRF3. 2020 , 19, 1824-1834	22
78	hsa-microRNA-411-5p regulates proliferation, migration and invasion by targeting the hyaluronan mediated motility receptor in ovarian cancer. 2020 , 20, 1899-1906	3
77	SFRP5 serves a beneficial role in arterial aging by inhibiting the proliferation, migration and inflammation of smooth muscle cells. 2018 , 18, 4682-4690	5
76	Combination of ions promotes cell migration via extracellular signal-regulated kinase 1/2 signaling pathway in human gingival fibroblasts. 2019 , 19, 5039-5045	6
75	Alkaloids exhibit a meaningful function as anticancer agents by restraining cellular signaling pathways. 2021 ,	1
74	Deciphering genes associated with diffuse large B-cell lymphoma with lymphomatous effusions: A mutational accumulation scoring approach. 2021 , 9, 74	1
73	Inhibition of ERK1/2 Activation and Cytoskeleton Rearrangement by the Recombinant Protein of Plasminogen Kringle 5. 2006 , 16, 1199-1206	
72	Mitogen-Activated Protein Kinases and Their Scaffolding Proteins. 2010 , 219-236	
71	Mitogen-Activated Protein Kinase-Activated Protein Kinases and Metastasis. 2010 , 41-76	1
70	Signal Cross Talks for Sustained MAPK Activation and Cell Migration Mediated by Reactive Oxygen Species: The Involvement in Tumor Progression. 2010 , 119-136	
69	Earthworms: A Potent Herbal Target for TCM (CAM) Research. 2011 , 247-260	
68	Sphingosine-1-Phosphate-Induced Migration and Differentiation of Human Mesenchymal Stem Cells to Smooth Muscle Cells. 2011 , 21, 183-193	
67	Effects of Lactoferrin on Skin Wound Healing. 2012 , 87-100	
66	Calpains in Health and Disease. 2013 , 395-431	
65	Bioactive Rosette Nanotubes for Bone Tissue Engineering and Drug Delivery. 313-357	
64	DUSP1 regulates apoptosis and cell migration, but not the JIP1-protected cytokine response, during Respiratory Syncytial Virus and Sendai Virus infection.	

- 63 Discussion and Further Open Problems. **2018**, 265-273
- 62 Emergent memory in cell signaling: Persistent adaptive dynamics in cascades can arise from the diversity of relaxation time-scales.
- 61 Regenerative therapy for the nonhealing cutaneous wounds. **2018**, 34, 171-195
- 60 Silymarin Attenuates Invasion and Migration through the Regulation of Epithelial-mesenchymal Transition in Huh7 Cells. **2018**, 50, 337-344 1
- 59 Hierarchical modeling of mechano-chemical dynamics of epithelial sheets across cells and tissue.
- 58 Human milk extracellular vesicles target nodes in interconnected signalling pathways that enhance oral epithelial barrier function and dampen immune responses.
- 57 C-Jun N-terminal kinase (JNK) pathway activation is essential for dental papilla cells polarization.
- 56 Roles of Therapeutic Bioactive Compounds in Hepatocellular Carcinoma. **2021**, 2021, 9068850 0
- 55 Temozolomide Induces Endocytosis of EGFRvIII via p38-Mediated Non-canonical Phosphorylation in Glioblastoma Cells. **2021**, 44, 1681-1687 2
- 54 Lack of dcf1 leads to neuronal migration delay, axonal swollen and autism-related deficits.
- 53 Tert-butylhydroquinone attenuates osteoarthritis by protecting chondrocytes and inhibiting macrophage polarization. **2021**, 10, 704-713 5
- 52 Phosphoproteomic Identification of Vasopressin-Regulated Protein Kinases in Collecting Duct Cells.
- 51 Inhibitory effects of polysaccharide extract from *Spirulina platensis* on corneal neovascularization. **2009**, 15, 1951-61 24
- 50 Electric field and wound healing. **2022**, 255-280 0
- 49 Protein S-mediated signal transduction pathway regulates lung cancer cell proliferation, migration and angiogenesis.. **2021**, 0
- 48 Reconstituted HDL-apoE3 promotes endothelial cell migration through ID1 and its downstream kinases ERK1/2, AKT and p38 MAPK. **2021**, 154954 1
- 47 The Effect of RADA16-I and CDNF on Neurogenesis and Neuroprotection in Brain Ischemia-Reperfusion Injury.. **2022**, 23, 1
- 46 Protease Activated Receptors: A Pathway to Boosting Mesenchymal Stromal Cell Therapeutic Efficacy in Acute Respiratory Distress Syndrome?. **2022**, 23,

45	Development of small molecule extracellular signal-regulated kinases (ERKs) inhibitors for cancer therapy. 2022,	2
44	Impacts of bisphosphonates on the bone and its surrounding tissues: mechanistic insights into medication-related osteonecrosis of the jaw.. 2022, 1	1
43	The Complex Biology of the Obesity-Induced, Metastasis-Promoting Tumor Microenvironment in Breast Cancer.. 2022, 23,	2
42	Delayed dynamics of migratory response to CTLA-4 blockade reveals a mechanistic view on potential T cells reinvigoration following immune checkpoint blockade.	
41	Pannexin Channel Regulation of Cell Migration: Focus on Immune Cells.. 2021, 12, 750480	1
40	The extracellular matrix molecule tenascin-C modulates cell cycle progression and motility of adult neural stem/progenitor cells from the subependymal zone.. 2022, 79, 244	1
39	Static magnetic field regulates proliferation, migration, and differentiation of human dental pulp stem cells by MAPK pathway.	0
38	Table_1.DOCX. 2019,	
37	DataSheet_1.csv. 2020,	
36	DataSheet_2.docx. 2020,	
35	Table_1.xlsx. 2020,	
34	Video_1.mov. 2020,	
33	Data_Sheet_1.PDF. 2020,	
32	Data_Sheet_2.PDF. 2020,	
31	Table_1.XLSX. 2020,	
30	Data_Sheet_1.PDF. 2019,	
29	Image_1.tif. 2020,	
28	Data_Sheet_1.docx. 2019,	

27	Leelamine Exerts Antineoplastic Effects in Association with Modulating Mitogen-Activated Protein Kinase Signaling Cascade.. 2022 , 1-13		1
26	Receptor, Signal, Nucleus, Action: Signals That Pass through Akt on the Road to Head and Neck Cancer Cell Migration. <i>Cancers</i> , 2022 , 14, 2606	6.6	
25	REPS2 downregulation facilitates FGF-induced adhesion and migration in human lens epithelial cells through FAK/Cdc42 signaling and contributes to posterior capsule opacification. <i>Cellular Signalling</i> , 2022 , 97, 110378	4.9	○
24	Effects and associated transcriptomic landscape changes of methamphetamine on immune cells. <i>BMC Medical Genomics</i> , 2022 , 15,	3.7	○
23	Novel roles of luteinizing hormone (LH) in tissue regeneration-associated functions in endometrial stem cells. <i>Cell Death and Disease</i> , 2022 , 13,	9.8	
22	Fenretinide combines perturbation of signaling kinases, cell-extracellular matrix interactions and matrix metalloproteinase activation to inhibit invasion in oral squamous cell carcinoma cells.		○
21	Role of RhoA and Rho-associated kinase in phenotypic switching of vascular smooth muscle cells: Implications for vascular function. 2022 ,		1
20	Mechanical regulation of signal transduction in angiogenesis. 10,		1
19	Taurine Chloramine Inhibits Leukocyte Migration by Suppressing Actin Polymerization and Extracellular Signal-Regulated Kinase. 2022 , 51-61		○
18	VEGFA promotes odonto/osteoblastic differentiation in dental pulp stem cells via ERK/p38 signaling. 2022 ,		○
17	Combined Effects of Defatted Hydrolyzed Collagen from Salmon Skin and Vitamin C on Proliferation and Migration of Human Fibroblast Cell. 2022 , 7, 265		○
16	Restored intestinal integrity, nutrients transporters, energy metabolism, antioxidative capacity and decreased harmful microbiota were associated with IUGR piglet catch-up growth before weaning. 2022 , 13,		○
15	Chitosan degradation products promote healing of burn wounds of rat skin. 10,		○
14	Atypical Macropinocytosis Contributes to Malignant Progression: A Review of Recent Evidence in Endometrioid Endometrial Cancer Cells. 2022 , 14, 5056		○
13	Netrin-4: Focus on Its Role in Axon Guidance, Tissue Stability, Angiogenesis and Tumors.		○
12	Distinct Dynamics of Migratory Response to PD-1 and CTLA-4 Blockade Reveals New Mechanistic Insights for Potential T-Cell Reinvigoration following Immune Checkpoint Blockade. 2022 , 11, 3534		○
11	SCN5A promotes the growth and lung metastasis of triple-negative breast cancer through EF2-kinase signaling. 2023 , 313, 121282		○
10	Lipocalin 2 Reduces MET Levels by Inhibiting MEK/ERK Signaling to Inhibit Nasopharyngeal Carcinoma Cell Migration. 2022 , 14, 5707		1

- 9 3D collagen migration patterns reveal a SMAD3-dependent and TGF- β -independent mechanism of recruitment for tumour-associated fibroblasts in lung adenocarcinoma. ○
- 8 Bioelectronic microfluidic wound healing: a platform for investigating direct current stimulation of injured cell collectives. ○
- 7 Nuciferine Ameliorates Nonesterified Fatty Acid-Induced Bovine Mammary Epithelial Cell Lipid Accumulation, Apoptosis, and Impaired Migration via Activating LKB1/AMPK Signaling Pathway. **2023**, 71, 443-456 ○
- 6 Nebulization of risedronate alleviates airway obstruction and inflammation of chronic obstructive pulmonary diseases via suppressing prenylation-dependent RAS/ERK/NF- κ B and RhoA/ROCK1/MLCP signaling. **2022**, 23, ○
- 5 Reshaping the Endogenous Electric Field to Boost Wound Repair via Electrogenic Dressing. 2208395 ○
- 4 p38MAPK delays myelination and remyelination and is abundant in multiple sclerosis lesions. ○
- 3 Insight on the cellular and molecular basis of blood vessel formation: A specific focus on tumor targets and therapy. **2023**, 2, ○
- 2 Skin Wound Healing and Anti-Wrinkle-Promoting In Vitro Biological Activities of Caragana sinica Flower Absolute and Its Chemical Composition. **2023**, 16, 235 ○
- 1 Interactions between E-cadherin proteins and the cytoskeletal system, and their relevance to neurodegenerative disorders. 14, ○