

Kunio Matsumoto

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329
papers

19,700
citations

75
h-index

125
g-index

339
ext. papers

20,851
ext. citations

5.8
avg, IF

6.26
L-index

#	Paper	IF	Citations
329	Liver organogenesis promoted by endothelial cells prior to vascular function. <i>Science</i> , 2001 , 294, 559-63	33.3	706
328	Hepatocyte growth factor gene therapy of liver cirrhosis in rats. <i>Nature Medicine</i> , 1999 , 5, 226-30	50.5	534
327	Hepatocyte growth factor induces gefitinib resistance of lung adenocarcinoma with epidermal growth factor receptor-activating mutations. <i>Cancer Research</i> , 2008 , 68, 9479-87	10.1	522
326	Myocardial protection from ischemia/reperfusion injury by endogenous and exogenous HGF. <i>Journal of Clinical Investigation</i> , 2000 , 106, 1511-9	15.9	343
325	Hepatocyte growth factor twenty years on: Much more than a growth factor. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011 , 26 Suppl 1, 188-202	4	320
324	Hepatocyte growth factor (HGF) as a tissue organizer for organogenesis and regeneration. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 639-44	3.4	313
323	Cofilin phosphorylation and actin cytoskeletal dynamics regulated by rho- and Cdc42-activated LIM-kinase 2. <i>Journal of Cell Biology</i> , 1999 , 147, 1519-32	7.3	306
322	Radiation to stromal fibroblasts increases invasiveness of pancreatic cancer cells through tumor-stromal interactions. <i>Cancer Research</i> , 2004 , 64, 3215-22	10.1	292
321	Hepatocyte growth factor: renotropic role and potential therapeutics for renal diseases. <i>Kidney International</i> , 2001 , 59, 2023-38	9.9	267
320	Direct evidence that hepatocyte growth factor is a hepatotrophic factor for liver regeneration and has a potent antihepatitis effect in vivo. <i>Hepatology</i> , 1992 , 16, 1227-1235	11.2	234
319	Specific activation of LIM kinase 2 via phosphorylation of threonine 505 by ROCK, a Rho-dependent protein kinase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 670-6	5.4	233
318	Therapeutic angiogenesis induced by human recombinant hepatocyte growth factor in rabbit hind limb ischemia model as cytokine supplement therapy. <i>Hypertension</i> , 1999 , 33, 1379-84	8.5	229
317	Hepatocyte growth factor/scatter factor, its molecular, cellular and clinical implications in cancer. <i>Critical Reviews in Oncology/Hematology</i> , 1999 , 29, 209-48	7	223
316	Crosstalk to stromal fibroblasts induces resistance of lung cancer to epidermal growth factor receptor tyrosine kinase inhibitors. <i>Clinical Cancer Research</i> , 2009 , 15, 6630-8	12.9	210
315	Hepatocyte growth factor, its receptor, and their potential value in cancer therapies. <i>Critical Reviews in Oncology/Hematology</i> , 2005 , 53, 35-69	7	210
314	Hepatocyte growth factor is a potent stimulator of human melanocyte DNA synthesis and growth. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 176, 45-51	3.4	210
313	Marked stimulation of growth and motility of human keratinocytes by hepatocyte growth factor. <i>Experimental Cell Research</i> , 1991 , 196, 114-20	4.2	207

312	Hepatocyte growth factor and the Met system as a mediator of tumor-stromal interactions. <i>International Journal of Cancer</i> , 2006 , 119, 477-83	7.5	190
311	Lung may have an endocrine function producing hepatocyte growth factor in response to injury of distal organs. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 182, 802-9	3.4	187
310	A novel role of hepatocyte growth factor as an immune regulator through suppressing dendritic cell function. <i>Journal of Immunology</i> , 2005 , 175, 4745-53	5.3	185
309	Therapeutic angiogenesis induced by human hepatocyte growth factor gene in rat and rabbit hindlimb ischemia models: preclinical study for treatment of peripheral arterial disease. <i>Gene Therapy</i> , 2001 , 8, 181-9	4	185
308	Involvement of hepatocyte growth factor in kidney development. <i>Developmental Biology</i> , 1994 , 163, 525-9	3.1	184
307	Hepatocyte growth factor receptor is a coreceptor for adeno-associated virus type 2 infection. <i>Journal of Virology</i> , 2005 , 79, 609-14	6.6	181
306	Abrogation of Fas-induced fulminant hepatic failure in mice by hepatocyte growth factor. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 244, 683-90	3.4	181
305	HGF/NK4 is a specific antagonist for pleiotrophic actions of hepatocyte growth factor. <i>FEBS Letters</i> , 1997 , 420, 1-6	3.8	179
304	Tryptophan 2,3-dioxygenase is a key modulator of physiological neurogenesis and anxiety-related behavior in mice. <i>Molecular Brain</i> , 2009 , 2, 8	4.5	177
303	Simultaneous or delayed administration of hepatocyte growth factor equally represses the fibrotic changes in murine lung injury induced by bleomycin. A morphologic study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 156, 1937-44	10.2	177
302	Hepatocyte growth factor prevents endotoxin-induced lethal hepatic failure in mice. <i>Hepatology</i> , 1999 , 30, 151-9	11.2	177
301	Therapeutic angiogenesis induced by human hepatocyte growth factor gene in rat diabetic hind limb ischemia model: molecular mechanisms of delayed angiogenesis in diabetes. <i>Circulation</i> , 2001 , 104, 2344-50	16.7	169
300	Regulation of cell growth and motility by hepatocyte growth factor and receptor expression in various cell species. <i>Experimental Cell Research</i> , 1992 , 202, 423-31	4.2	167
299	Potential contribution of a novel antifibrotic factor, hepatocyte growth factor, to prevention of myocardial fibrosis by angiotensin II blockade in cardiomyopathic hamsters. <i>Circulation</i> , 2000 , 102, 246-52	16.7	164
298	Hepatocyte growth factor has potent anti-proliferative activity in various tumor cell lines. <i>FEBS Letters</i> , 1991 , 291, 229-32	3.8	164
297	Inhibition of tumor growth and invasion by a four-kringle antagonist (HGF/NK4) for hepatocyte growth factor. <i>Oncogene</i> , 1998 , 17, 3045-54	9.2	154
296	Localization and functional coupling of HGF and c-Met/HGF receptor in rat brain: implication as neurotrophic factor. <i>Molecular Brain Research</i> , 1995 , 32, 197-210		153
295	Up-regulation of hepatocyte growth factor gene expression by interleukin-1 in human skin fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 188, 235-43	3.4	150

294	Hepatocyte growth factor suppresses interstitial fibrosis in a mouse model of obstructive nephropathy. <i>Kidney International</i> , 2001 , 59, 1304-14	9.9	148
293	Hepatocyte growth factor suppresses the onset of liver cirrhosis and abrogates lethal hepatic dysfunction in rats. <i>Journal of Biochemistry</i> , 1995 , 118, 643-9	3.1	140
292	Hepatocyte growth factor is a novel member of the endothelium-specific growth factors: additive stimulatory effect of hepatocyte growth factor with basic fibroblast growth factor but not with vascular endothelial growth factor. <i>Journal of Hypertension</i> , 1996 , 14, 1067-72	1.9	139
291	Mitogenic and antiapoptotic actions of hepatocyte growth factor through ERK, STAT3, and AKT in endothelial cells. <i>Hypertension</i> , 2001 , 37, 581-6	8.5	135
290	Hepatocyte Growth Factor Is Constitutively Produced by Human Bone Marrow Stromal Cells and Indirectly Promotes Hematopoiesis. <i>Blood</i> , 1997 , 89, 1560-1565	2.2	134
289	NK4 (HGF-antagonist/angiogenesis inhibitor) in cancer biology and therapeutics. <i>Cancer Science</i> , 2003 , 94, 321-7	6.9	131
288	Possible endocrine control by hepatocyte growth factor of liver regeneration after partial hepatectomy. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 177, 330-5	3.4	131
287	HGF reduces advancing lung fibrosis in mice: a potential role for MMP-dependent myofibroblast apoptosis. <i>FASEB Journal</i> , 2005 , 19, 580-2	0.9	130
286	Hepatocyte growth factor/MET in cancer progression and biomarker discovery. <i>Cancer Science</i> , 2017 , 108, 296-307	6.9	128
285	Targeted delivery of NK4 to multiple lung tumors by bone marrow-derived mesenchymal stem cells. <i>Cancer Gene Therapy</i> , 2007 , 14, 894-903	5.4	128
284	Protection of hippocampal neurons from ischemia-induced delayed neuronal death by hepatocyte growth factor: a novel neurotrophic factor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998 , 18, 345-8	7.3	121
283	Growth inhibition and apoptosis in liver myofibroblasts promoted by hepatocyte growth factor leads to resolution from liver cirrhosis. <i>American Journal of Pathology</i> , 2005 , 166, 1017-28	5.8	120
282	Marked induction of hepatocyte growth factor mRNA in intact kidney and spleen in response to injury of distant organs. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 186, 991-8	3.4	111
281	Angiogenesis and antifibrotic action by hepatocyte growth factor in cardiomyopathy. <i>Hypertension</i> , 2002 , 40, 47-53	8.5	110
280	Hepatocyte growth factor: molecular structure and implications for a central role in liver regeneration. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1991 , 6, 509-19	4	108
279	Reciprocal balance of hepatocyte growth factor and transforming growth factor-beta 1 in renal fibrosis in mice. <i>Kidney International</i> , 2000 , 57, 937-48	9.9	106
278	A potential cardioprotective role of hepatocyte growth factor in myocardial infarction in rats. <i>Cardiovascular Research</i> , 2001 , 51, 41-50	9.9	105
277	Hepatocyte growth factor induces proliferation and morphogenesis in nonparenchymal epithelial liver cells. <i>Hepatology</i> , 1993 , 17, 1052-1061	11.2	103

276	Hepatocyte growth factor stimulates proliferation of respiratory epithelial cells during postpneumonectomy compensatory lung growth in mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002 , 26, 525-33	5.7	101
275	Angiogenic property of hepatocyte growth factor is dependent on upregulation of essential transcription factor for angiogenesis, ets-1. <i>Circulation</i> , 2003 , 107, 1411-7	16.7	100
274	A vascular modulator, hepatocyte growth factor, is associated with systolic pressure. <i>Hypertension</i> , 1996 , 28, 409-13	8.5	97
273	Hepatocyte growth factor ameliorates acute graft-versus-host disease and promotes hematopoietic function. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1365-73	15.9	96
272	Paracrine receptor activation by microenvironment triggers bypass survival signals and ALK inhibitor resistance in EML4-ALK lung cancer cells. <i>Clinical Cancer Research</i> , 2012 , 18, 3592-602	12.9	93
271	Non-Small Cell Lung Cancer Cells Acquire Resistance to the ALK Inhibitor Alectinib by Activating Alternative Receptor Tyrosine Kinases. <i>Cancer Research</i> , 2016 , 76, 1506-16	10.1	91
270	In vivo evidence of angiogenesis induced by transcription factor Ets-1: Ets-1 is located upstream of angiogenesis cascade. <i>Circulation</i> , 2004 , 109, 3035-41	16.7	91
269	Transient PI3K inhibition induces apoptosis and overcomes HGF-mediated resistance to EGFR-TKIs in EGFR mutant lung cancer. <i>Clinical Cancer Research</i> , 2011 , 17, 2260-9	12.9	89
268	Hepatocyte growth factor exerts a proliferative effect on oval cells through the PI3K/AKT signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 309, 298-304	3.4	89
267	Hepatocyte growth factor prevents tissue fibrosis, remodeling, and dysfunction in cardiomyopathic hamster hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2131-9	5.2	86
266	Hepatocyte growth factor reduces susceptibility to an irreversible epidermal growth factor receptor inhibitor in EGFR-T790M mutant lung cancer. <i>Clinical Cancer Research</i> , 2010 , 16, 174-83	12.9	85
265	Negative regulation of local hepatocyte growth factor expression by angiotensin II and transforming growth factor-beta in blood vessels: potential role of HGF in cardiovascular disease. <i>Hypertension</i> , 1998 , 32, 444-51	8.5	84
264	RAPID AND SENSITIVE ENZYME-LINKED IMMUNOSORBENT ASSAY FOR MEASUREMENT OF HGF IN RAT AND HUMAN TISSUES . <i>Biomedical Research</i> , 1995 , 16, 105-114	1.5	83
263	Scatter factor from human embryonic lung fibroblasts is probably identical to hepatocyte growth factor. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 180, 765-73	3.4	82
262	Gene transfection of hepatocyte growth factor attenuates reperfusion injury in the heart. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1726-31	2.7	81
261	Microfabricated airflow nozzle for microencapsulation of living cells into 150 micrometer microcapsules. <i>Biomedical Microdevices</i> , 2007 , 9, 91-9	3.7	80
260	Autocrine-paracrine effects of overexpression of hepatocyte growth factor gene on growth of endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 220, 539-45	3.4	79
259	Deletion of kringle domains or the N-terminal hairpin structure in hepatocyte growth factor results in marked decreases in related biological activities. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 181, 691-9	3.4	78

258	Activation of LIM kinases by myotonic dystrophy kinase-related Cdc42-binding kinase alpha. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23092-6	5.4	77
257	Potential role of hepatocyte growth factor in the maintenance of renal structure: anti-apoptotic action of HGF on epithelial cells. <i>Kidney International</i> , 1998 , 54, 1128-38	9.9	76
256	Identification of tumor-initiating cells in a highly aggressive brain tumor using promoter activity of nucleostemin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17163-8	11.5	75
255	Neutralization of hepatocyte growth factor leads to retarded cutaneous wound healing associated with decreased neovascularization and granulation tissue formation. <i>Journal of Investigative Dermatology</i> , 2003 , 120, 335-43	4.3	75
254	Cooperative interaction between alpha- and beta-chains of hepatocyte growth factor on c-Met receptor confers ligand-induced receptor tyrosine phosphorylation and multiple biological responses. <i>Journal of Biological Chemistry</i> , 1998 , 273, 22913-20	5.4	74
253	Rapid and marked induction of hepatocyte growth factor during liver regeneration after ischemic or crush injury. <i>Hepatology</i> , 1992 , 16, 1485-92	11.2	74
252	Artificial human Met agonists based on macrocycle scaffolds. <i>Nature Communications</i> , 2015 , 6, 6373	17.4	73
251	Combined therapy with mutant-selective EGFR inhibitor and Met kinase inhibitor for overcoming erlotinib resistance in EGFR-mutant lung cancer. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 2149-57	6.1	73
250	Hepatocyte growth factor facilitates cartilage repair. Full thickness articular cartilage defect studied in rabbit knees. <i>Acta Orthopaedica</i> , 1997 , 68, 474-80		73
249	Impairment of collateral formation in lipoprotein(a) transgenic mice: therapeutic angiogenesis induced by human hepatocyte growth factor gene. <i>Circulation</i> , 2002 , 105, 1491-6	16.7	73
248	Hepatocyte growth factor/scatter factor decreases the expression of occludin and transendothelial resistance (TER) and increases paracellular permeability in human vascular endothelial cells. <i>Journal of Cellular Physiology</i> , 1999 , 181, 319-29	7	73
247	Met kinase inhibitor E7050 reverses three different mechanisms of hepatocyte growth factor-induced tyrosine kinase inhibitor resistance in EGFR mutant lung cancer. <i>Clinical Cancer Research</i> , 2012 , 18, 1663-71	12.9	71
246	Bi-directional regulation of Ser-985 phosphorylation of c-met via protein kinase C and protein phosphatase 2A involves c-Met activation and cellular responsiveness to hepatocyte growth factor. <i>Journal of Biological Chemistry</i> , 2004 , 279, 26445-52	5.4	71
245	A genomic analysis of adult T-cell leukemia. <i>Oncogene</i> , 2007 , 26, 1245-55	9.2	70
244	Gene therapy for preventing neuronal death using hepatocyte growth factor: in vivo gene transfer of HGF to subarachnoid space prevents delayed neuronal death in gerbil hippocampal CA1 neurons. <i>Gene Therapy</i> , 2001 , 8, 1167-73	4	70
243	Growth and angiogenesis of human breast cancer in a nude mouse tumour model is reduced by NK4, a HGF/SF antagonist. <i>Carcinogenesis</i> , 2003 , 24, 1317-23	4.6	69
242	Contribution of Bcl-2, but not Bcl-xL and Bax, to antiapoptotic actions of hepatocyte growth factor in hypoxia-conditioned human endothelial cells. <i>Hypertension</i> , 2001 , 37, 1341-8	8.5	69
241	Impact of serum hepatocyte growth factor on treatment response to epidermal growth factor receptor tyrosine kinase inhibitors in patients with non-small cell lung adenocarcinoma. <i>Clinical Cancer Research</i> , 2010 , 16, 4616-24	12.9	68

240	Hepatic gene expression of NK4, an HGF-antagonist/angiogenesis inhibitor, suppresses liver metastasis and invasive growth of colon cancer in mice. <i>Cancer Gene Therapy</i> , 2004 , 11, 419-30	5.4	68
239	Hepatocyte growth factor gene transfer to alveolar septa for effective suppression of lung fibrosis. <i>Molecular Therapy</i> , 2005 , 12, 58-67	11.7	68
238	Hepatocyte growth factor prevents endothelial cell death through inhibition of bax translocation from cytosol to mitochondrial membrane. <i>Diabetes</i> , 2002 , 51, 2604-11	0.9	67
237	The neurofibromatosis type 1 gene product neurofibromin enhances cell motility by regulating actin filament dynamics via the Rho-ROCK-LIMK2-cofilin pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39524-33	5.4	66
236	Hepatocyte growth factor prevents the development of chronic allograft nephropathy in rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2001 , 12, 1280-1292	12.7	66
235	HGF regulates VEGF expression via the c-Met receptor downstream pathways, PI3K/Akt, MAPK and STAT3, in CT26 murine cells. <i>International Journal of Oncology</i> , 2013 , 42, 535-42	4.4	64
234	Decreased microsomal triglyceride transfer protein activity contributes to initiation of alcoholic liver steatosis in rats. <i>Journal of Hepatology</i> , 2002 , 36, 157-62	13.4	64
233	A novel vascular modulator, hepatocyte growth factor (HGF), as a potential index of the severity of hypertension. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 242, 238-43	3.4	64
232	Targeting angiogenesis and HGF function using an adenoviral vector expressing the HGF antagonist NK4 for cancer therapy. <i>Molecular Therapy</i> , 2002 , 5, 177-85	11.7	63
231	Cell density-dependent regulation of albumin synthesis and DNA synthesis in rat hepatocytes by hepatocyte growth factor. <i>Journal of Biochemistry</i> , 1992 , 112, 330-4	3.1	63
230	Angiogenic and antifibrotic actions of hepatocyte growth factor improve cardiac dysfunction in porcine ischemic cardiomyopathy. <i>Gene Therapy</i> , 2006 , 13, 1206-13	4	61
229	Acquisition of invasive phenotype in gallbladder cancer cells via mutual interaction of stromal fibroblasts and cancer cells as mediated by hepatocyte growth factor. <i>Japanese Journal of Cancer Research</i> , 1996 , 87, 702-10		61
228	Suppression of acute and chronic rejection by hepatocyte growth factor in a murine model of cardiac transplantation: induction of tolerance and prevention of cardiac allograft vasculopathy. <i>Circulation</i> , 2004 , 110, 1650-7	16.7	60
227	Suppression of tumor metastasis by NK4 plasmid DNA released from cationized gelatin. <i>Gene Therapy</i> , 2004 , 11, 1205-14	4	60
226	Recombinant hepatocyte growth factor accelerates cutaneous wound healing in a diabetic mouse model. <i>Growth Factors</i> , 2004 , 22, 111-9	1.6	60
225	Mechanisms and significance of bifunctional NK4 in cancer treatment. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 316-27	3.4	59
224	Prevention of apoptosis-inducing factor translocation is a possible mechanism for protective effects of hepatocyte growth factor against neuronal cell death in the hippocampus after transient forebrain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 1354-65	7.3	57
223	Radiation stimulates HGF receptor/c-Met expression that leads to amplifying cellular response to HGF stimulation via upregulated receptor tyrosine phosphorylation and MAP kinase activity in pancreatic cancer cells. <i>International Journal of Cancer</i> , 2003 , 104, 542-9	7.5	57

222	Hepatocyte growth factor leads to recovery from alcohol-induced fatty liver in rats. <i>Journal of Clinical Investigation</i> , 1999 , 103, 313-20	15.9	57
221	Co-cultivation of pancreatic cancer cells with orthotopic tumor-derived fibroblasts: fibroblasts stimulate tumor cell invasion via HGF secretion whereas cancer cells exert a minor regulative effect on fibroblasts HGF production. <i>Cancer Letters</i> , 2003 , 190, 105-12	9.9	56
220	Hepatocyte growth factor attenuates airway hyperresponsiveness, inflammation, and remodeling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 32, 268-80	5.7	56
219	Inhibition of neointimal formation after balloon injury by cilostazol, accompanied by improvement of endothelial dysfunction and induction of hepatocyte growth factor in rat diabetes model. <i>Diabetologia</i> , 2001 , 44, 1034-42	10.3	56
218	Hepatocyte growth factor attenuates cerebral ischemia-induced learning dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 319, 1152-8	3.4	55
217	Hepatocyte growth factor plays roles in the induction and autocrine maintenance of bone marrow stromal cell IL-11, SDF-1 alpha, and stem cell factor. <i>Experimental Hematology</i> , 2004 , 32, 955-61	3.1	55
216	Heparin as an inducer of hepatocyte growth factor. <i>Journal of Biochemistry</i> , 1993 , 114, 820-6	3.1	54
215	HGF as a renoprotective and anti-fibrotic regulator in chronic renal disease. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 7072-86	2.8	53
214	Hepatocyte growth factor and Met in drug discovery. <i>Journal of Biochemistry</i> , 2015 , 157, 271-84	3.1	51
213	NK4, an antagonist of hepatocyte growth factor (HGF), inhibits growth of multiple myeloma cells: molecular targeting of angiogenic growth factor. <i>Blood</i> , 2007 , 109, 3042-9	2.2	51
212	Intraperitoneal injection of adenovirus-mediated NK4 gene suppresses peritoneal dissemination of pancreatic cancer cell line AsPC-1 in nude mice. <i>Cancer Gene Therapy</i> , 2002 , 9, 799-806	5.4	51
211	Actions of hepatocyte growth factor as a local modulator in the kidney: potential role in pathogenesis of renal disease. <i>Kidney International</i> , 1998 , 53, 50-8	9.9	50
210	Hepatocyte growth factor and Met in tumor biology and therapeutic approach with NK4. <i>Proteomics</i> , 2008 , 8, 3360-70	4.8	50
209	Nk4, a new HGF/SF variant, is an antagonist to the influence of HGF/SF on the motility and invasion of colon cancer cells 2000 , 85, 563-570		50
208	Kringle 1-4 of hepatocyte growth factor inhibits proliferation and migration of human microvascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 279, 846-52 ^{3,4}		50
207	Enhanced angiogenesis and improvement of neuropathy by cotransfection of human hepatocyte growth factor and prostacyclin synthase gene. <i>FASEB Journal</i> , 2003 , 17, 779-81	0.9	49
206	Prostate stromal cell-derived hepatocyte growth factor induces invasion of prostate cancer cell line DU145 through tumor-stromal interaction. <i>Prostate</i> , 1999 , 41, 145-53	4.2	48
205	The functions and possible significance of Kremen as the gatekeeper of Wnt signalling in development and pathology. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 391-408	5.6	47

204	Hepatocyte growth factor attenuates cerebral ischemia-induced increase in permeability of the blood-brain barrier and decreases in expression of tight junctional proteins in cerebral vessels. <i>Neuroscience Letters</i> , 2006 , 407, 141-5	3.3	47
203	Expression and neuroprotective effect of hepatocyte growth factor in retinal ischemia-reperfusion injury. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 528-36		47
202	HGF-Met Pathway in Regeneration and Drug Discovery. <i>Biomedicines</i> , 2014 , 2, 275-300	4.8	46
201	Enhanced expression of hepatocyte growth factor by pulmonary ischemia-reperfusion injury in the rat. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 707-15	10.2	46
200	Hepatocyte growth factor is involved in formation of osteoclast-like cells mediated by clonal stromal cells (MC3T3-G2/PA6). <i>Journal of Cellular Physiology</i> , 1995 , 164, 197-204	7	46
199	Dual inhibition of Met kinase and angiogenesis to overcome HGF-induced EGFR-TKI resistance in EGFR mutant lung cancer. <i>American Journal of Pathology</i> , 2012 , 181, 1034-43	5.8	45
198	Hepatocyte growth factor reduces the infarct volume after transient focal cerebral ischemia in rats. <i>Neurological Research</i> , 2001 , 23, 417-24	2.7	45
197	The HGF/SF-induced phosphorylation of paxillin, matrix adhesion, and invasion of prostate cancer cells were suppressed by NK4, an HGF/SF variant. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 1330-7	3.4	45
196	Hepatocyte growth factor in lung morphogenesis and tumor invasion: role as a mediator in epithelium-mesenchyme and tumor-stroma interactions. <i>Cancer Chemotherapy and Pharmacology</i> , 1996 , 38 Suppl, S42-7	3.5	45
195	Contact inhibition of hepatocyte growth regulated by functional association of the c-Met/hepatocyte growth factor receptor and LAR protein-tyrosine phosphatase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 8765-72	5.4	43
194	The HGF/SF antagonist NK4 reverses fibroblast- and HGF-induced prostate tumor growth and angiogenesis in vivo. <i>International Journal of Cancer</i> , 2003 , 106, 348-54	7.5	43
193	Gene transfer of hepatocyte growth factor to subarachnoid space in cerebral hypoperfusion model. <i>Hypertension</i> , 2002 , 39, 1028-34	8.5	43
192	Analysis of neurotrophic effects of hepatocyte growth factor in the adult hypoglossal nerve axotomy model. <i>European Journal of Neuroscience</i> , 1999 , 11, 4139-44	3.5	43
191	Molecular cloning and characterization of a newly identified member of the cadherin family, PB-cadherin. <i>Journal of Biological Chemistry</i> , 1996 , 271, 11548-56	5.4	43
190	Role of angiotensin II in the regulation of a novel vascular modulator, hepatocyte growth factor (HGF), in experimental hypertensive rats. <i>Hypertension</i> , 1997 , 30, 1448-54	8.5	43
189	Cross-activating c-Met/ β 1 integrin complex drives metastasis and invasive resistance in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8685-E8694 ^{11.5}		42
188	Pleural mesothelioma instigates tumor-associated fibroblasts to promote progression via a malignant cytokine network. <i>American Journal of Pathology</i> , 2011 , 179, 1483-93	5.8	42
187	Hepatocyte growth factor improved learning and memory dysfunction of microsphere-embolized rats. <i>Journal of Neuroscience Research</i> , 2004 , 78, 442-53	4.4	42

186	Hepatocyte growth factor prevents multiple organ injuries in endotoxemic mice through a heme oxygenase-1-dependent mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 333-7	3.4	41
185	Regulation of invasive potential of human prostate cancer cell lines by hepatocyte growth factor. <i>International Journal of Urology</i> , 1998 , 5, 276-81	2.3	41
184	Enhanced suppression of tumor growth using a combination of NK4 plasmid DNA-PEG engrafted cationized dextran complex and ultrasound irradiation. <i>Cancer Gene Therapy</i> , 2006 , 13, 479-89	5.4	41
183	Skeletal muscle targeting in vivo electroporation-mediated HGF gene therapy of bleomycin-induced pulmonary fibrosis in mice. <i>Laboratory Investigation</i> , 2004 , 84, 836-44	5.9	40
182	Receptor ligand-triggered resistance to alectinib and its circumvention by Hsp90 inhibition in EML4-ALK lung cancer cells. <i>Oncotarget</i> , 2014 , 5, 4920-8	3.3	40
181	Targeting the hepatocyte growth factor/Met pathway in cancer. <i>Biochemical Society Transactions</i> , 2017 , 45, 855-870	5.1	39
180	Inhibition of Met/HGF receptor and angiogenesis by NK4 leads to suppression of tumor growth and migration in malignant pleural mesothelioma. <i>International Journal of Cancer</i> , 2010 , 127, 1948-57	7.5	39
179	Hepatocyte growth factor in renal regeneration, renal disease and potential therapeutics. <i>Current Opinion in Nephrology and Hypertension</i> , 2000 , 9, 395-402	3.5	39
178	Ability of the Met kinase inhibitor crizotinib and new generation EGFR inhibitors to overcome resistance to EGFR inhibitors. <i>PLoS ONE</i> , 2013 , 8, e84700	3.7	38
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