

Kunio Matsumoto

List of Publications by Year in Descending Order

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

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	SRC kinase activator CDCP1 promotes hepatocyte growth factor-induced cell migration/invasion of a subset of breast cancer cells.. <i>Journal of Biological Chemistry</i> , 2022 , 101630	5.4	1
328	N-glycosylation regulates MET processing and signaling.. <i>Cancer Science</i> , 2022 ,	6.9	1
327	Dual blockade of MET and VEGFR2 signaling pathways as a potential therapeutic maneuver for peritoneal carcinomatosis in scirrhus gastric cancer.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 600, 80-86	3.4	0
326	Crosstalk between foetal vasoactive peptide hormones and placental aminopeptidases regulates placental blood flow: Its significance in preeclampsia.. <i>Placenta</i> , 2022 , 121, 32-39	3.4	
325	Macrocyclic Peptide-Conjugated Tip for Fast and Selective Molecular Recognition Imaging by High-Speed Atomic Force Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54817-54829	9.5	2
324	De novo peptide grafting to a self-assembling nanocapsule yields a hepatocyte growth factor receptor agonist. <i>IScience</i> , 2021 , 24, 103302	6.1	0
323	Lasso-grafting of macrocyclic peptide pharmacophores yields multi-functional proteins. <i>Nature Communications</i> , 2021 , 12, 1543	17.4	3
322	CDCP1 promotes compensatory renal growth by integrating Src and Met signaling. <i>Life Science Alliance</i> , 2021 , 4,	5.8	2
321	Cyclic Peptide-Based Biologics Regulating HGF-MET. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
320	The constitutive high-affinity Met-binding site in the kringle domain is dispensable for the signalling activity of hepatocyte growth factor. <i>Journal of Biochemistry</i> , 2020 , 167, 577-586	3.1	1
319	New insights into human endometrial aminopeptidases in both implantation and menstruation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140332	4	3
318	Proteasomal degradation of polycomb-group protein CBX6 confers MMP-2 expression essential for mesothelioma invasion. <i>Scientific Reports</i> , 2020 , 10, 16678	4.9	1
317	Transient IGF-1R inhibition combined with osimertinib eradicates AXL-low expressing EGFR mutated lung cancer. <i>Nature Communications</i> , 2020 , 11, 4607	17.4	31
316	Macrocyclic peptide-based inhibition and imaging of hepatocyte growth factor. <i>Nature Chemical Biology</i> , 2019 , 15, 598-606	11.7	36
315	Impaired ligand-dependent MET activation caused by an extracellular SEMA domain missense mutation in lung cancer. <i>Cancer Science</i> , 2019 , 110, 3340-3349	6.9	8
314	Distinct Localization of Mature HGF from its Precursor Form in Developing and Repairing the Stomach. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
313	Cellular signaling and gene expression profiles evoked by a bivalent macrocyclic peptide that serves as an artificial MET receptor agonist. <i>Scientific Reports</i> , 2018 , 8, 16492	4.9	3

312	MET Activation by a Macrocyclic Peptide Agonist that Couples to Biological Responses Differently from HGF in a Context-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
311	Hepatocyte growth factor in physiology and infectious diseases. <i>Cytokine</i> , 2017 , 98, 97-106	4	34
310	Exome sequencing deciphers a germline MET mutation in familial epidermal growth factor receptor-mutant lung cancer. <i>Cancer Science</i> , 2017 , 108, 1263-1270	6.9	9
309	Hepatocyte growth factor/MET in cancer progression and biomarker discovery. <i>Cancer Science</i> , 2017 , 108, 296-307	6.9	128
308	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
307	Targeting the hepatocyte growth factor/Met pathway in cancer. <i>Biochemical Society Transactions</i> , 2017 , 45, 855-870	5.1	39
306	Probing conformational and functional states of human hepatocyte growth factor by a panel of monoclonal antibodies. <i>Scientific Reports</i> , 2016 , 6, 33149	4.9	8
305	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
304	Different growth and metastatic phenotypes associated with a cell-intrinsic change of Met in metastatic melanoma. <i>Oncotarget</i> , 2016 , 7, 70779-70793	3.3	20
303	Hepatocyte growth factor and Met in drug discovery. <i>Journal of Biochemistry</i> , 2015 , 157, 271-84	3.1	51
302	A clinical protocol to inhibit the HGF/c-Met pathway for malignant mesothelioma with an intrapleural injection of adenoviruses expressing the NK4 gene. <i>SpringerPlus</i> , 2015 , 4, 358		6
301	Artificial human Met agonists based on macrocycle scaffolds. <i>Nature Communications</i> , 2015 , 6, 6373	17.4	73
300	Inhibition of transforming growth factor- β signaling potentiates tumor cell invasion into collagen matrix induced by fibroblast-derived hepatocyte growth factor. <i>Experimental Cell Research</i> , 2014 , 326, 267-79	4.2	29
299	HGF-Met Pathway in Regeneration and Drug Discovery. <i>Biomedicines</i> , 2014 , 2, 275-300	4.8	46
298	Pharmacokinetics and pharmacodynamics following intravenous administration of recombinant human hepatocyte growth factor in rats with renal injury. <i>Pharmacology</i> , 2014 , 94, 190-7	2.3	5
297	Triple inhibition of EGFR, Met, and VEGF suppresses regrowth of HGF-triggered, erlotinib-resistant lung cancer harboring an EGFR mutation. <i>Journal of Thoracic Oncology</i> , 2014 , 9, 775-83	8.9	34
296	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
295	Beneficial effect of a synthetic prostacyclin agonist, ONO-1301, in rat autoimmune myocarditis model. <i>European Journal of Pharmacology</i> , 2013 , 699, 81-7	5.3	7

294	The novel phosphoinositide 3-kinase-mammalian target of rapamycin inhibitor, BEZ235, circumvents erlotinib resistance of epidermal growth factor receptor mutant lung cancer cells triggered by hepatocyte growth factor. <i>International Journal of Cancer</i> , 2013 , 133, 505-13	7.5	25
293	Pharmacokinetic modeling of hepatocyte growth factor in experimental animals and humans. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 237-49	3.9	5
292	Lipoic acid-induced inhibition of proliferation and met phosphorylation in human non-small cell lung cancer cells. <i>Cancer Letters</i> , 2013 , 335, 472-8	9.9	24
291	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
290	Met/HGF receptor activation is regulated by juxtamembrane Ser985 phosphorylation in hepatocytes. <i>Cytokine</i> , 2013 , 62, 446-52	4	19
289	Lower gefitinib dose led to earlier resistance acquisition before emergence of T790M mutation in epidermal growth factor receptor-mutated lung cancer model. <i>Cancer Science</i> , 2013 , 104, 1440-6	6.9	24
288	Paracrine activation of MET promotes peritoneal carcinomatosis in scirrhous gastric cancer. <i>Cancer Science</i> , 2013 , 104, 1640-6	6.9	16
287	Oral administration of a novel long-acting prostacyclin agonist with thromboxane synthase inhibitory activity for pulmonary arterial hypertension. <i>Circulation Journal</i> , 2013 , 77, 2127-33	2.9	6
286	Molecular targeting of hepatocyte growth factor by an antagonist, NK4, in the treatment of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2013 , 15, R75	5.7	10
285	Interruption of the HGF paracrine loop by NK4, an HGF antagonist, reduces VEGF expression of CT26 cells. <i>Oncology Reports</i> , 2013 , 30, 567-72	3.5	5
284	Novel long-acting prostacyclin agonist (ONO-1301) with an angiogenic effect: promoting synthesis of hepatocyte growth factor and increasing cyclic AMP concentration via IP-receptor signaling. <i>Journal of Pharmacological Sciences</i> , 2013 , 123, 392-401	3.7	13
283	mTOR inhibitors control the growth of EGFR mutant lung cancer even after acquiring resistance by HGF. <i>PLoS ONE</i> , 2013 , 8, e62104	3.7	25
282	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
281	Suppression of fibrogenic gene expression and liver fibrosis using a synthetic prostacyclin agonist. <i>Biomedical Research</i> , 2013 , 34, 241-50	1.5	3
280	A synthetic prostacyclin agonist with thromboxane synthase inhibitory activity, ONO-1301, protects myocardium from ischemia/reperfusion injury. <i>European Journal of Pharmacology</i> , 2012 , 674, 352-8	5.3	12
279	Repair of segmental bone defects in rabbit tibia promoted by a complex of ̢-calcium phosphate and hepatocyte growth factor. <i>Journal of Orthopaedic Science</i> , 2012 , 17, 639-48	1.6	14
278	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
277	Arterial shear stress augments the differentiation of endothelial progenitor cells adhered to VEGF-bound surfaces. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 91-7	3.4	29

276	Suppression of acute hepatic injury by a synthetic prostacyclin agonist through hepatocyte growth factor expression. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, G420-9	5.1	14
275	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
274	Sustained-release prostacyclin analog ONO-1301 ameliorates tubulointerstitial alterations in a mouse obstructive nephropathy model. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, F1616-29	4.3	27
273	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
272	A novel prostacyclin agonist protects against airway hyperresponsiveness and remodeling in mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 47, 170-7	5.7	23
271	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
270	Hepatocyte growth factor induces resistance to anti-epidermal growth factor receptor antibody in lung cancer. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 272-80	8.9	35
269	Hsp90 inhibition overcomes HGF-triggering resistance to EGFR-TKIs in EGFR-mutant lung cancer by decreasing client protein expression and angiogenesis. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 1078-85	8.9	28
268	A synthetic prostacyclin agonist, ONO-1301, ameliorates ventricular remodeling after acute myocardial infarction via upregulation of HGF in rat. <i>Biomedicine and Aging Pathology</i> , 2011 , 1, 90-96		
267	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
266	3-D collagen-dependent cell surface expression of MT1-MMP and MMP-2 activation regardless of integrin α function and matrix stiffness. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 412, 98-103	3.4	12
265	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
264	Recombinant human hepatocyte growth factor (HGF), but not rat HGF, elicits glomerular injury and albuminuria in normal rats via an immune complex-dependent mechanism. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 192-201	3	4
263	Promotion of rabbit ligament healing by local delivery of hepatocyte growth factor. <i>Journal of Orthopaedic Science</i> , 2011 , 16, 451-7	1.6	9
262	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
261	Cellular Injury of Cardiomyocytes during Hepatocyte Growth Factor Gene Transfection with Ultrasound-Triggered Bubble Liposome Destruction. <i>Journal of Drug Delivery</i> , 2011 , 2011, 453619	2.3	2
260	HGF-MET in Resistance to EGFR Tyrosine Kinase Inhibitors in Lung Cancer. <i>Current Signal Transduction Therapy</i> , 2011 , 6, 228-233	0.8	2
259	hTERT-promoter-dependent oncolytic adenovirus enhances the transduction and therapeutic efficacy of replication-defective adenovirus vectors in pancreatic cancer cells. <i>Cancer Science</i> , 2010 , 101, 735-42	6.9	12

258	Gemcitabine synergistically enhances the effect of adenovirus gene therapy through activation of the CMV promoter in pancreatic cancer cells. <i>Cancer Gene Therapy</i> , 2010 , 17, 541-9	5.4	4
257	Anti-cancer approach with NK4: Bivalent action and mechanisms. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2010 , 10, 36-46	2.2	19
256	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
255	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
254	p27 Nuclear localization and growth arrest caused by perlecan knockdown in human endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 392, 403-8	3.4	11
253	Facilitated tendon-bone healing by local delivery of recombinant hepatocyte growth factor in rabbits. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010 , 26, 84-90	5.4	35
252	Induction of donor-specific tolerance using superagonistic CD28 antibody in rat renal allografts: regulatory T-cell expansion before engraftment may be important. <i>Transplantation</i> , 2010 , 90, 1328-35	1.8	3
251	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
250	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
249	Angioinhibitory action of NK4 involves impaired extracellular assembly of fibronectin mediated by perlecan-NK4 association. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22491-22499	5.4	24
248	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
247	Gene transfer of NK4, an angiogenesis inhibitor, induces CT26 tumor regression via tumor-specific T lymphocyte activation. <i>International Journal of Cancer</i> , 2009 , 125, 2879-86	7.5	5
246	NK4, an HGF antagonist, prevents hematogenous pulmonary metastasis by inhibiting adhesion of CT26 cells to endothelial cells. <i>Clinical and Experimental Metastasis</i> , 2009 , 26, 447-56	4.7	8
245	Characterization of the enhancing effect of protamine on the proliferative activity of hepatocyte growth factor in rat hepatocytes. <i>Pharmaceutical Research</i> , 2009 , 26, 1012-21	4.5	6
244	Chemotherapeutic agents potentiate adenoviral gene therapy for pancreatic cancer. <i>Cancer Science</i> , 2009 , 100, 722-9	6.9	10
243	Systemic NK4 gene therapy inhibits tumor growth and metastasis of melanoma and lung carcinoma in syngeneic mouse tumor models. <i>Cancer Science</i> , 2009 , 100, 1351-8	6.9	26
242	Up-regulation of integrin beta3 in radioresistant pancreatic cancer impairs adenovirus-mediated gene therapy. <i>Cancer Science</i> , 2009 , 100, 1902-7	6.9	3
241	Different reactivities of enzyme-linked immunosorbent assays for hepatocyte growth factor. <i>Clinica Chimica Acta</i> , 2009 , 402, 42-6	6.2	4

240	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
239	Disease-dependent reciprocal phosphorylation of serine and tyrosine residues of c-Met/HGF receptor contributes disease retardation of a transgenic mouse model of ALS. <i>Neuroscience Research</i> , 2009 , 65, 194-200	2.9	10
238	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
237	Reduction of fibrosis in a rat model of non-alcoholic steatohepatitis cirrhosis by human HGF gene transfection using electroporation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008 , 23, e471-6	4	7
236	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
235	Hepatocyte growth factor improves synaptic localization of the NMDA receptor and intracellular signaling after excitotoxic injury in cultured hippocampal neurons. <i>Experimental Neurology</i> , 2008 , 210, 83-94	5.7	7
234	Generation of engineered recombinant hepatocyte growth factor cleaved and activated by Genenase I. <i>Journal of Biotechnology</i> , 2008 , 133, 478-85	3.7	2
233	Growth factors temporally associate with airway responsiveness and inflammation in allergen-exposed mice. <i>International Archives of Allergy and Immunology</i> , 2008 , 145, 324-39	3.7	12
232	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
231	Radiation enhances adenoviral gene therapy in pancreatic cancer via activation of cytomegalovirus promoter and increased adenovirus uptake. <i>Clinical Cancer Research</i> , 2008 , 14, 1859-67	12.9	21
230	Regulation of cell migration and cytokine production by HGF-like protein (HLP) / macrophage stimulating protein (MSP) in primary microglia. <i>Biomedical Research</i> , 2008 , 29, 77-84	1.5	16
229	Hepatocyte growth factor and Met in tumor biology and therapeutic approach with NK4. <i>Proteomics</i> , 2008 , 8, 3360-70	4.8	50
228	NK4 gene therapy targeting HGF-Met and angiogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 1943-51	2.8	33
227	HGF as a renoprotic and anti-fibrotic regulator in chronic renal disease. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 7072-86	2.8	53
226	Hepatocyte growth factor gene therapy for hypertension. <i>Methods in Molecular Biology</i> , 2008 , 423, 393-404	4	6
225	A genomic analysis of adult T-cell leukemia. <i>Oncogene</i> , 2007 , 26, 1245-55	9.2	70
224	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
223	Microfabricated airflow nozzle for microencapsulation of living cells into 150 micrometer microcapsules. <i>Biomedical Microdevices</i> , 2007 , 9, 91-9	3.7	80

222	Stimulation of hepatocyte growth factor production by heparin-derived oligosaccharides. <i>Journal of Biochemistry</i> , 2007 , 141, 653-60	3.1	21
221	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
220	Inhibition of colon cancer growth and metastasis by NK4 gene repetitive delivery in mice. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 117-23	3.4	12
219	Hepatocyte growth factor promotes the number of PSD-95 clusters in young hippocampal neurons. <i>Experimental Neurology</i> , 2007 , 207, 195-202	5.7	16
218	Hepatocyte growth factor prevents pulmonary ischemia-reperfusion injury in mice. <i>Journal of Heart and Lung Transplantation</i> , 2007 , 26, 935-43	5.8	15
217	Intraventricular administration of hepatocyte growth factor treats mouse communicating hydrocephalus induced by transforming growth factor beta1. <i>Neurobiology of Disease</i> , 2006 , 21, 576-86	7.5	28
216	Preclinical study of a "tailor-made" combination of NK4-expressing gene therapy and gefitinib (ZD1839, Iressa) for disseminated peritoneal scirrhous gastric cancer. <i>International Journal of Cancer</i> , 2006 , 118, 1545-55	7.5	15
215	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
214	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
213	Model of vasculogenesis from embryonic stem cells for vascular research and regenerative medicine. <i>Hypertension</i> , 2006 , 48, 112-9	8.5	29
212	Different activity regulation and subcellular localization of LIMK1 and LIMK2 during cell cycle transition. <i>Experimental Cell Research</i> , 2006 , 312, 1021-30	4.2	38
211	Involvement of hepatocyte growth factor in the development of bone metastasis of a mouse mammary cancer cell line, BALB/c-MC. <i>Bone</i> , 2006 , 39, 27-34	4.7	28
210	Blockage of HGF/c-Met system by gene therapy (adenovirus-mediated NK4 gene) suppresses hepatocellular carcinoma in mice. <i>Journal of Hepatology</i> , 2006 , 45, 688-95	13.4	28
209	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
208	The protective effect of hepatocyte growth factor against cell death in the hippocampus after transient forebrain ischemia is related to the improvement of apurinic/apyrimidinic endonuclease/redox factor-1 level and inhibition of NADPH oxidase activity. <i>Neuroscience Letters</i> , 2006 , 407, 136-40	3.3	15
207	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
206	Peritumoral injection of adenovirus vector expressing NK4 combined with gemcitabine treatment suppresses growth and metastasis of human pancreatic cancer cells implanted orthotopically in nude mice and prolongs survival. <i>Cancer Gene Therapy</i> , 2006 , 13, 520-9	5.4	28
205	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

204	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
203	Liver targeting of plasmid DNA with a cationized pullulan for tumor suppression. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 2853-9	1.3	29
202	Mechanisms and significance of bifunctional NK4 in cancer treatment. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 316-27	3.4	59
201	Angiogenesis inhibitors: from laboratory to clinical application. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 289-91	3.4	17
200	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
199	Multiple biological responses are induced by glycosylation-deficient hepatocyte growth factor. <i>Biochemical Journal</i> , 2005 , 388, 555-62	3.8	15
198	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
197	Hepatocyte growth factor contributes to fracture repair by upregulating the expression of BMP receptors. <i>Journal of Bone and Mineral Research</i> , 2005 , 20, 1723-30	6.3	38
196	Inhibition of apoptosis-inducing factor translocation is involved in protective effects of hepatocyte growth factor against excitotoxic cell death in cultured hippocampal neurons. <i>Journal of Neurochemistry</i> , 2005 , 95, 1277-86	6	22
195	Suppression of peritoneal implantation of gastric cancer cells by adenovirus vector-mediated NK4 expression. <i>Cancer Gene Therapy</i> , 2005 , 12, 206-16	5.4	9
194	Suppression of metastasis of human pancreatic cancer to the liver by transportal injection of recombinant adenoviral NK4 in nude mice. <i>International Journal of Cancer</i> , 2005 , 117, 160-5	7.5	27
193	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
192	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
191	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
190	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
189	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
188	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
187	Possible effects of hepatocyte growth factor for the prevention of peritoneal fibrosis. <i>Nephron Experimental Nephrology</i> , 2005 , 99, e87-94		18

186	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
185	Possible inhibition of cancer cell adhesion to the extracellular matrix in NK4-induced suppression of peritoneal implantation. <i>Anticancer Research</i> , 2005 , 25, 3847-54	2.3	5
184	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
183	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
182	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
181	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
180	Gene therapy with secretory leukoprotease inhibitor promoter-controlled replication-competent adenovirus for non-small cell lung cancer. <i>Cancer Research</i> , 2004 , 64, 4611-20	10.1	21
179	Treatment of dilated cardiomyopathy with electroporation of hepatocyte growth factor gene into skeletal muscle. <i>Hypertension</i> , 2004 , 44, 365-71	8.5	16
178	Hepatocyte Growth Factor 2004 , 436-442		0
177	Reduced HGF expression in subcutaneous CT26 tumor genetically modified to secrete NK4 and its possible relation with antitumor effects. <i>Cancer Science</i> , 2004 , 95, 321-7	6.9	21
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21	Heparin as an inducer of hepatocyte growth factor. <i>Journal of Biochemistry</i> , 1993 , 114, 820-6	3.1	54
20	Hepatocyte growth factor induces proliferation and morphogenesis in nonparenchymal epithelial liver cells. <i>Hepatology</i> , 1993 , 17, 1052-1061	11.2	103
19	Hepatocyte growth factor-like protein is identical to macrophage stimulating protein. <i>FEBS Letters</i> , 1993 , 333, 61-6	3.8	28
18	Effect of hepatocyte growth factor on cadherin-mediated cell-cell adhesion. <i>Cell Structure and Function</i> , 1993 , 18, 117-24	2.2	36
17	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
16	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
15	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
14	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
13	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
12	Immunohistochemical localization of hepatocyte growth factor protein in pancreas islet A-cells of man and rats. <i>Japanese Journal of Cancer Research</i> , 1992 , 83, 1262-6		31
11	Developmental changes in hepatocyte growth factor mRNA and its receptor in rat liver, kidney and lung. <i>FEBS Journal</i> , 1992 , 210, 375-80		29
10	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
9	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
8	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
7	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

6	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
5	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
4	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
3	Hepatocyte growth factor has potent anti-proliferative activity in various tumor cell lines. <i>FEBS Letters</i> , 1991 , 291, 229-32	3.8	164
2	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
1	CUB domain-containing protein 1 controls HGF responses by integrating Src and Met/STAT3 signaling		1