

Hiroshi Maeda

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.

162
papers

24,256
citations

65
h-index

155
g-index

168
ext. papers

26,384
ext. citations

6.6
avg, IF

7.7
L-index

#	Paper	IF	Citations
162	Treatment with Polyethylene Glycol-Conjugated Fungal D-Amino Acid Oxidase Reduces Lung Inflammation in a Mouse Model of Chronic Granulomatous Disease.. <i>Inflammation</i> , 2022 , 1	5.1	0
161	Phosphorylcholine-Grafted Molecular Bottlebrush-Doxorubicin Conjugates: High Structural Stability, Long Circulation in Blood, and Efficient Anticancer Activity. <i>Biomacromolecules</i> , 2021 , 22, 1186-1196	6.9	6
160	The 35th Anniversary of the Discovery of EPR Effect: A New Wave of Nanomedicines for Tumor-Targeted Drug Delivery-Personal Remarks and Future Prospects. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	33
159	Unraveling the role of Intralipid in suppressing off-target delivery and augmenting the therapeutic effects of anticancer nanomedicines. <i>Acta Biomaterialia</i> , 2021 , 126, 372-383	10.8	3
158	EPR-Effect Enhancers Strongly Potentiate Tumor-Targeted Delivery of Nanomedicines to Advanced Cancers: Further Extension to Enhancement of the Therapeutic Effect. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	7
157	Weak Interplay between Hydrophobic Part of Water-soluble Polymers and Serum Protein. <i>Chemistry Letters</i> , 2021 , 50, 1392-1393	1.7	1
156	Factors affecting the dynamics and heterogeneity of the EPR effect: pathophysiological and pathoanatomic features, drug formulations and physicochemical factors. <i>Expert Opinion on Drug Delivery</i> , 2021 , 1-14	8	8
155	Polymer-conjugated glucosamine complexed with boric acid shows tumor-selective accumulation and simultaneous inhibition of glycolysis. <i>Biomaterials</i> , 2021 , 269, 120631	15.6	8
154	Development of a Selective Tumor-Targeted Drug Delivery System: Hydroxypropyl-Acrylamide Polymer-Conjugated Pirarubicin (P-THP) for Pediatric Solid Tumors. <i>Cancers</i> , 2021 , 13,	6.6	1
153	Development of an amphotericin B micellar formulation using cholesterol-conjugated styrene-maleic acid copolymer for enhancement of blood circulation and antifungal selectivity. <i>International Journal of Pharmaceutics</i> , 2020 , 589, 119813	6.5	2
152	Exploiting the dynamics of the EPR effect and strategies to improve the therapeutic effects of nanomedicines by using EPR effect enhancers. <i>Advanced Drug Delivery Reviews</i> , 2020 , 157, 142-160	18.5	161
151	Overcoming barriers for tumor-targeted drug delivery 2020 , 41-58		3
150	Extracts of , Bamboo () Leaf and Chaga Mushroom () Exhibit Antitumor Activity through Activating Innate Immunity. <i>Nutrients</i> , 2020 , 12,	6.7	6
149	Superior Penetration and Cytotoxicity of HPMA Copolymer Conjugates of Pirarubicin in Tumor Cell Spheroid. <i>Molecular Pharmaceutics</i> , 2019 , 16, 3452-3459	5.6	14
148	Singlet oxygen phosphorescence detection in vivo identifies PDT-induced anoxia in solid tumors. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1304-1314	4.2	12
147	Augmentation of EPR Effect and Efficacy of Anticancer Nanomedicine by Carbon Monoxide Generating Agents. <i>Pharmaceutics</i> , 2019 , 11,	6.4	31
146	Synthesis and evaluation of styrene-maleic acid copolymer conjugated amphotericin B. <i>International Journal of Pharmaceutics</i> , 2019 , 572, 118719	6.5	6

145	Analyses of repeated failures in cancer therapy for solid tumors: poor tumor-selective drug delivery, low therapeutic efficacy and unsustainable costs. <i>Clinical and Translational Medicine</i> , 2018 , 7, 11	5.7	190
144	N-(2-hydroxypropyl)methacrylamide polymer conjugated pyropheophorbide-a, a promising tumor-targeted theranostic probe for photodynamic therapy and imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 130, 165-176	5.7	26
143	HPMA copolymer conjugate with pirarubicin: In vitro and ex vivo stability and drug release study. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 108-115	6.5	11
142	Augmentation of the Enhanced Permeability and Retention Effect with Nitric Oxide-Generating Agents Improves the Therapeutic Effects of Nanomedicines. <i>Molecular Cancer Therapeutics</i> , 2018 , 17, 2643-2653	6.1	60
141	The EPR effect: its history, development and future implication. <i>Drug Delivery System</i> , 2018 , 33, 80-88	0	0
140	Comparison of the pharmacological and biological properties of HPMA copolymer-pirarubicin conjugates: A single-chain copolymer conjugate and its biodegradable tandem-diblock copolymer conjugate. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 106, 10-19	5.1	12
139	Combined targeting of STAT3 and STAT5: a novel approach to overcome drug resistance in chronic myeloid leukemia. <i>Haematologica</i> , 2017 , 102, 1519-1529	6.6	25
138	Polymer therapeutics and the EPR effect. <i>Journal of Drug Targeting</i> , 2017 , 25, 781-785	5.4	85
137	Improved anticancer effects of albumin-bound paclitaxel nanoparticle via augmentation of EPR effect and albumin-protein interactions using S-nitrosated human serum albumin dimer. <i>Biomaterials</i> , 2017 , 140, 162-169	15.6	90
136	?????????????????????. <i>Kagaku To Seibutsu</i> , 2017 , 55, 501-509	0	
135	Styrene-maleic acid-copolymer conjugated zinc protoporphyrin as a candidate drug for tumor-targeted therapy and imaging. <i>Journal of Drug Targeting</i> , 2016 , 24, 399-407	5.4	16
134	HPMA Copolymer-Conjugated Pirarubicin in Multimodal Treatment of a Patient with Stage IV Prostate Cancer and Extensive Lung and Bone Metastases. <i>Targeted Oncology</i> , 2016 , 11, 101-6	5	64
133	Pronounced Cellular Uptake of Pirarubicin versus That of Other Anthracyclines: Comparison of HPMA Copolymer Conjugates of Pirarubicin and Doxorubicin. <i>Molecular Pharmaceutics</i> , 2016 , 13, 4106-4115	5.6	29
132	pH-sensitive polymeric cisplatin-ion complex with styrene-maleic acid copolymer exhibits tumor-selective drug delivery and antitumor activity as a result of the enhanced permeability and retention effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 138, 128-37	6	24
131	Water soluble PEG-conjugate of xanthine oxidase inhibitor, PEG-AHPP micelles, as a novel therapeutic for ROS related inflammatory bowel diseases. <i>Journal of Controlled Release</i> , 2016 , 223, 188-196	11.7	13
130	Enhancement of Tumor-Targeted Delivery of Bacteria with Nitroglycerin Involving Augmentation of the EPR Effect. <i>Methods in Molecular Biology</i> , 2016 , 1409, 9-23	1.4	7
129	A Retrospective 30 Years After Discovery of the Enhanced Permeability and Retention Effect of Solid Tumors: Next-Generation Chemotherapeutics and Photodynamic Therapy--Problems, Solutions, and Prospects. <i>Microcirculation</i> , 2016 , 23, 173-82	2.9	229
128	Toward a full understanding of the EPR effect in primary and metastatic tumors as well as issues related to its heterogeneity. <i>Advanced Drug Delivery Reviews</i> , 2015 , 91, 3-6	18.5	730

127	Photodynamic therapy and imaging based on tumor-targeted nanoprobe, polymer-conjugated zinc protoporphyrin. <i>Future Science OA</i> , 2015 , 1, FSO4	2.7	21
126	Styrene maleic acid copolymer-pirarubicin induces tumor-selective oxidative stress and decreases tumor hypoxia as possible treatment of colorectal cancer liver metastases. <i>Surgery</i> , 2015 , 158, 236-47	3.6	2
125	S-Nitrosated human serum albumin dimer as novel nano-EPR enhancer applied to macromolecular anti-tumor drugs such as micelles and liposomes. <i>Journal of Controlled Release</i> , 2015 , 217, 1-9	11.7	40
124	Poly-S-nitrosated human albumin enhances the antitumor and antimetastasis effect of bevacizumab, partly by inhibiting autophagy through the generation of nitric oxide. <i>Cancer Science</i> , 2015 , 106, 194-200	6.9	19
123	Effect of different chemical bonds in pegylation of zinc protoporphyrin that affects drug release, intracellular uptake, and therapeutic effect in the tumor. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 89, 259-70	5.7	17
122	Development of next-generation macromolecular drugs based on the EPR effect: challenges and pitfalls. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 53-64	8	157
121	Synthesis and therapeutic effect of styrene-maleic acid copolymer-conjugated pirarubicin. <i>Cancer Science</i> , 2015 , 106, 270-8	6.9	39
120	Comparison between linear and star-like HPMA conjugated pirarubicin (THP) in pharmacokinetics and antitumor activity in tumor bearing mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 90, 90-6	5.7	38
119	Upregulation of heme oxygenase-1 in colorectal cancer patients with increased circulation carbon monoxide levels, potentially affects chemotherapeutic sensitivity. <i>BMC Cancer</i> , 2014 , 14, 436	4.8	55
118	Styrene-maleic acid copolymer-encapsulated CORM2, a water-soluble carbon monoxide (CO) donor with a constant CO-releasing property, exhibits therapeutic potential for inflammatory bowel disease. <i>Journal of Controlled Release</i> , 2014 , 187, 14-21	11.7	67
117	Research spotlight: emergence of EPR effect theory and development of clinical applications for cancer therapy. <i>Therapeutic Delivery</i> , 2014 , 5, 627-30	3.8	19
116	Enhanced bacterial tumor delivery by modulating the EPR effect and therapeutic potential of <i>Lactobacillus casei</i> . <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 3235-43	3.9	33
115	Two step mechanisms of tumor selective delivery of N-(2-hydroxypropyl)methacrylamide copolymer conjugated with pirarubicin via an acid-cleavable linkage. <i>Journal of Controlled Release</i> , 2014 , 174, 81-7	11.7	85
114	Identification of heat shock protein 32 (Hsp32) as a novel target in acute lymphoblastic leukemia. <i>Oncotarget</i> , 2014 , 5, 1198-211	3.3	18
113	The link between infection and cancer: tumor vasculature, free radicals, and drug delivery to tumors via the EPR effect. <i>Cancer Science</i> , 2013 , 104, 779-89	6.9	114
112	The EPR effect for macromolecular drug delivery to solid tumors: Improvement of tumor uptake, lowering of systemic toxicity, and distinct tumor imaging in vivo. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 71-9	18.5	1659
111	Micelles of zinc protoporphyrin conjugated to N-(2-hydroxypropyl)methacrylamide (HPMA) copolymer for imaging and light-induced antitumor effects in vivo. <i>Journal of Controlled Release</i> , 2013 , 165, 191-8	11.7	47
110	Carbon monoxide, generated by heme oxygenase-1, mediates the enhanced permeability and retention effect in solid tumors. <i>Cancer Science</i> , 2012 , 103, 535-41	6.9	61

109	Vascular permeability in cancer and infection as related to macromolecular drug delivery, with emphasis on the EPR effect for tumor-selective drug targeting. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2012 , 88, 53-71	4	191
108	Macromolecular therapeutics in cancer treatment: the EPR effect and beyond. <i>Journal of Controlled Release</i> , 2012 , 164, 138-44	11.7	621
107	HSP32 (HO-1) inhibitor, copoly(styrene-maleic acid)-zinc protoporphyrin IX, a water-soluble micelle as anticancer agent: In vitro and in vivo anticancer effect. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 540-7	5.7	30
106	S-Nitrosated human serum albumin dimer is not only a novel anti-tumor drug but also a potentiator for anti-tumor drugs with augmented EPR effects. <i>Bioconjugate Chemistry</i> , 2012 , 23, 264-71	6.3	46
105	Protective role of D-amino acid oxidase against Staphylococcus aureus infection. <i>Infection and Immunity</i> , 2012 , 80, 1546-53	3.7	18
104	PEGylated D-amino acid oxidase restores bactericidal activity of neutrophils in chronic granulomatous disease via hypochlorite. <i>Experimental Biology and Medicine</i> , 2012 , 237, 703-8	3.7	7
103	Liver Tumor Targeting 2011 , 1519-1568		
102	Enhanced Permeability and Retention Effect in Relation to Tumor Targeting 2011 , 65-84		2
101	Intracellular uptake and behavior of two types zinc protoporphyrin (ZnPP) micelles, SMA-ZnPP and PEG-ZnPP as anticancer agents; unique intracellular disintegration of SMA micelles. <i>Journal of Controlled Release</i> , 2011 , 155, 367-75	11.7	36
100	Synthesis and evaluation of poly(styrene-co-maleic acid) micellar nanocarriers for the delivery of tanespimycin. <i>International Journal of Pharmaceutics</i> , 2011 , 420, 111-7	6.5	33
99	The EPR effect: Unique features of tumor blood vessels for drug delivery, factors involved, and limitations and augmentation of the effect. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 136-51	18.5	2580
98	EPR effect based drug design and clinical outlook for enhanced cancer chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 129-30	18.5	169
97	4-Amino-6-hydroxypyrazolo [3,4-d]pyrimidine (AHPP) conjugated PEG micelles: water soluble polymeric xanthine oxidase inhibitor. <i>Journal of Drug Targeting</i> , 2011 , 19, 954-66	5.4	2
96	Therapeutic potential of pegylated hemin for reactive oxygen species-related diseases via induction of heme oxygenase-1: results from a rat hepatic ischemia/reperfusion injury model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 339, 779-89	4.7	38
95	Protective effect of canolol from oxidative stress-induced cell damage in ARPE-19 cells via an ERK mediated antioxidative pathway. <i>Molecular Vision</i> , 2011 , 17, 2040-8	2.3	25
94	In vitro and in vivo evaluation of tumor targeting styrene-maleic acid copolymer-pirarubicin micelles: Survival improvement and inhibition of liver metastases. <i>Cancer Science</i> , 2010 , 101, 1866-74	6.9	44
93	Tissue protective effect of xanthine oxidase inhibitor, polymer conjugate of (styrene-maleic acid copolymer) and (4-amino-6-hydroxypyrazolo[3,4-d]pyrimidine), on hepatic ischemia-reperfusion injury. <i>Experimental Biology and Medicine</i> , 2010 , 235, 487-96	3.7	13
92	Tumor-selective delivery of macromolecular drugs via the EPR effect: background and future prospects. <i>Bioconjugate Chemistry</i> , 2010 , 21, 797-802	6.3	766

91	Nitroglycerin enhances vascular blood flow and drug delivery in hypoxic tumor tissues: analogy between angina pectoris and solid tumors and enhancement of the EPR effect. <i>Journal of Controlled Release</i> , 2010 , 142, 296-8	11.7	46
90	Styrene maleic acid-pirarubicin disrupts tumor microcirculation and enhances the permeability of colorectal liver metastases. <i>Journal of Vascular Research</i> , 2009 , 46, 218-28	1.9	37
89	SMA-copolymer conjugate of AHPP: a polymeric inhibitor of xanthine oxidase with potential antihypertensive effect. <i>Journal of Controlled Release</i> , 2009 , 135, 211-7	11.7	22
88	Generation of drug-resistant mutants of <i>Helicobacter pylori</i> in the presence of peroxynitrite, a derivative of nitric oxide, at pathophysiological concentration. <i>Microbiology and Immunology</i> , 2009 , 53, 1-7	2.7	12
87	Enhanced delivery of macromolecular antitumor drugs to tumors by nitroglycerin application. <i>Cancer Science</i> , 2009 , 100, 2426-30	6.9	160
86	Controlling oxidative stress: therapeutic and delivery strategies. Preface. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 285-6	18.5	6
85	Therapeutic strategies by modulating oxygen stress in cancer and inflammation. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 290-302	18.5	400
84	Elevating blood pressure as a strategy to increase tumor-targeted delivery of macromolecular drug SMANCS: cases of advanced solid tumors. <i>Japanese Journal of Clinical Oncology</i> , 2009 , 39, 756-66	2.8	143
83	Polymeric drugs for efficient tumor-targeted drug delivery based on EPR-effect. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 71, 409-19	5.7	944
82	Tumor-Targeted Macromolecular Drug Delivery Based on the Enhanced Permeability and Retention Effect in Solid Tumor 2009 , 93-120		11
81	Targeting of heat-shock protein 32/heme oxygenase-1 in canine mastocytoma cells is associated with reduced growth and induction of apoptosis. <i>Experimental Hematology</i> , 2008 , 36, 1461-70	3.1	17
80	Targeting of heat shock protein 32 (Hsp32)/heme oxygenase-1 (HO-1) in leukemic cells in chronic myeloid leukemia: a novel approach to overcome resistance against imatinib. <i>Blood</i> , 2008 , 111, 2200-10	2.2	78
79	Oxystress inducing antitumor therapeutics via tumor-targeted delivery of PEG-conjugated D-amino acid oxidase. <i>International Journal of Cancer</i> , 2008 , 122, 1135-44	7.5	36
78	4-Vinyl-2,6-dimethoxyphenol (canolol) suppresses oxidative stress and gastric carcinogenesis in <i>Helicobacter pylori</i> -infected carcinogen-treated Mongolian gerbils. <i>International Journal of Cancer</i> , 2008 , 122, 1445-54	7.5	48
77	Polymeric micelles of zinc protoporphyrin for tumor targeted delivery based on EPR effect and singlet oxygen generation. <i>Journal of Drug Targeting</i> , 2007 , 15, 496-506	5.4	87
76	High-loading nanosized micelles of copoly(styrene-maleic acid)-zinc protoporphyrin for targeted delivery of a potent heme oxygenase inhibitor. <i>Biomaterials</i> , 2007 , 28, 1871-81	15.6	79
75	Identification of heat shock protein 32 (Hsp32) as a novel survival factor and therapeutic target in neoplastic mast cells. <i>Blood</i> , 2007 , 110, 661-9	2.2	36
74	Exploiting the enhanced permeability and retention effect for tumor targeting. <i>Drug Discovery Today</i> , 2006 , 11, 812-8	8.8	1422

73	Isolation, identification, and structure of a potent alkyl-peroxyl radical scavenger in crude canola oil, canolol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 1568-74	2.1	93
72	Copoly(styrene-maleic acid)-pirarubicin micelles: high tumor-targeting efficiency with little toxicity. <i>Bioconjugate Chemistry</i> , 2005 , 16, 230-6	6.3	85
71	Nitric oxide as an endogenous mutagen for Sendai virus without antiviral activity. <i>Journal of Virology</i> , 2004 , 78, 8709-19	6.6	53
70	SMA-doxorubicin, a new polymeric micellar drug for effective targeting to solid tumours. <i>Journal of Controlled Release</i> , 2004 , 97, 219-30	11.7	155
69	Enhancement of chemotherapeutic response of tumor cells by a heme oxygenase inhibitor, pegylated zinc protoporphyrin. <i>International Journal of Cancer</i> , 2004 , 109, 1-8	7.5	142
68	Antioxidative and antimutagenic activities of 4-vinyl-2,6-dimethoxyphenol (canolol) isolated from canola oil. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 4380-7	5.7	85
67	Macromolecular therapeutics: advantages and prospects with special emphasis on solid tumour targeting. <i>Clinical Pharmacokinetics</i> , 2003 , 42, 1089-105	6.2	227
66	Superoxide generation mediated by 8-nitroguanosine, a highly redox-active nucleic acid derivative. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 311, 300-6	3.4	50
65	Vascular permeability enhancement in solid tumor: various factors, mechanisms involved and its implications. <i>International Immunopharmacology</i> , 2003 , 3, 319-28	5.8	423
64	Modulation of tumor-selective vascular blood flow and extravasation by the stable prostaglandin 12 analogue beraprost sodium. <i>Journal of Drug Targeting</i> , 2003 , 11, 45-52	5.4	58
63	8-nitroguanosine formation in viral pneumonia and its implication for pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 685-90	11.5	130
62	Factors and mechanism of "EPR" effect and the enhanced antitumor effects of macromolecular drugs including SMANCS. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 519, 29-49	3.6	166
61	Pivotal role of Cu,Zn-superoxide dismutase in endothelium-dependent hyperpolarization. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1871-1879	15.9	115
60	In vivo antitumor activity of pegylated zinc protoporphyrin: targeted inhibition of heme oxygenase in solid tumor. <i>Cancer Research</i> , 2003 , 63, 3567-74	10.1	155
59	Dietary lipid peroxidation products and DNA damage in colon carcinogenesis. <i>European Journal of Lipid Science and Technology</i> , 2002 , 104, 439-447	3	50
58	Identification of bradykinin receptors in clinical cancer specimens and murine tumor tissues. <i>International Journal of Cancer</i> , 2002 , 98, 29-35	7.5	76
57	Changes in the microvascular architecture of colorectal liver metastases following the administration of SMANCS/lipiodol. <i>Journal of Surgical Research</i> , 2002 , 103, 47-54	2.5	12
56	Tumor-targeted delivery of polyethylene glycol-conjugated D-amino acid oxidase for antitumor therapy via enzymatic generation of hydrogen peroxide. <i>Cancer Research</i> , 2002 , 62, 3138-43	10.1	75

55	Enhanced vascular permeability in solid tumor involving peroxynitrite and matrix metalloproteinases. <i>Japanese Journal of Cancer Research</i> , 2001 , 92, 439-51		122
54	Mechanism of tumor-targeted delivery of macromolecular drugs, including the EPR effect in solid tumor and clinical overview of the prototype polymeric drug SMANCS. <i>Journal of Controlled Release</i> , 2001 , 74, 47-61	11.7	791
53	SMANCS and polymer-conjugated macromolecular drugs: advantages in cancer chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 2001 , 46, 169-85	18.5	439
52	Activation of matrix metalloproteinases by peroxynitrite-induced protein S-glutathiolation via disulfide S-oxide formation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 29596-602	5.4	333
51	The enhanced permeability and retention (EPR) effect in tumor vasculature: the key role of tumor-selective macromolecular drug targeting. <i>Advances in Enzyme Regulation</i> , 2001 , 41, 189-207		1871
50	Tumor-selective blood flow decrease induced by an angiotensin converting enzyme inhibitor, temocapril hydrochloride. <i>Japanese Journal of Cancer Research</i> , 2000 , 91, 261-9		41
49	S-nitrosylated human alpha(1)-protease inhibitor. <i>BBA - Proteins and Proteomics</i> , 2000 , 1477, 90-7		31
48	Viral mutation accelerated by nitric oxide production during infection in vivo. <i>FASEB Journal</i> , 2000 , 14, 1447-1454	0.9	73
47	Formation of abasic sites in DNA by t-butyl peroxy radicals: implication for potent genotoxicity of lipid peroxy radicals. <i>Cancer Letters</i> , 2000 , 156, 51-5	9.9	28
46	Tumor-targeted chemotherapy with SMANCS in lipiodol for renal cell carcinoma: longer survival with larger size tumors. <i>Urology</i> , 2000 , 55, 495-500	1.6	26
45	Pathophysiological Effects of High-Output Production of Nitric Oxide 2000 , 733-745		15
44	Kallikrein-kinin in infection and cancer. <i>Immunopharmacology</i> , 1999 , 43, 115-28		69
43	Role of nitric oxide in pathogenesis of herpes simplex virus encephalitis in rats. <i>Virology</i> , 1999 , 256, 203-12		94
42	Free radical generation from heterocyclic amines by cytochrome b5 reductase in the presence of NADH. <i>Cancer Letters</i> , 1999 , 143, 117-21	9.9	32
41	Early phase tumor accumulation of macromolecules: a great difference in clearance rate between tumor and normal tissues. <i>Japanese Journal of Cancer Research</i> , 1998 , 89, 307-14		386
40	Free radicals in viral pathogenesis: molecular mechanisms involving superoxide and NO. <i>Experimental Biology and Medicine</i> , 1998 , 217, 64-73	3.7	107
39	Activation of human neutrophil procollagenase by nitrogen dioxide and peroxynitrite: a novel mechanism for procollagenase activation involving nitric oxide. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 342, 261-74	4.1	202
38	Nitric oxide generation from hydroxyurea via copper-catalyzed peroxidation and implications for pharmacological actions of hydroxyurea. <i>Japanese Journal of Cancer Research</i> , 1997 , 88, 1199-204		38

37	Metamorphosis of Neocarzinostatin to SMANCS: Chemistry, Biology, Pharmacology, and Clinical Effect of the First Prototype Anticancer Polymer Therapeutic 1997 , 227-267		17
36	Potential of nitric oxide-mediated vasorelaxation by xanthine oxidase inhibitors. <i>Experimental Biology and Medicine</i> , 1996 , 211, 366-73	3.7	60
35	Role of microbial proteases in pathogenesis. <i>Microbiology and Immunology</i> , 1996 , 40, 685-99	2.7	97
34	Polymer Conjugation to Cu,Zn-SOD and Suppression of Hydroxyl Radical Generation on Exposure to H ₂ O ₂ : Improved Stability of SOD in Vitro and in Vivo. <i>Journal of Bioactive and Compatible Polymers</i> , 1996 , 11, 169-190	2	23
33	Excessive production of nitric oxide in rat solid tumor and its implication in rapid tumor growth. <i>Cancer</i> , 1996 , 77, 1598-604	6.4	122
32	Bradykinin and nitric oxide in infectious disease and cancer. <i>Immunopharmacology</i> , 1996 , 33, 222-30		65
31	Excessive production of nitric oxide in rat solid tumor and its implication in rapid tumor growth. <i>Cancer</i> , 1996 , 77, 1598-1604	6.4	119
30	Activation of blood clotting factors by microbial proteinases. <i>FEMS Microbiology Letters</i> , 1994 , 121, 327-329		47
29	Enhanced vascular permeability in solid tumor is mediated by nitric oxide and inhibited by both new nitric oxide scavenger and nitric oxide synthase inhibitor. <i>Japanese Journal of Cancer Research</i> , 1994 , 85, 331-4		178
28	Antagonistic action of imidazolineoxyl N-oxides against endothelium-derived relaxing factor/.NO through a radical reaction. <i>Biochemistry</i> , 1993 , 32, 827-32	3.2	534
27	Vascular permeability enhancing activity of Porphyromonas gingivalis protease in guinea pigs. <i>FEMS Microbiology Letters</i> , 1993 , 114, 109-14	2.9	22
26	Role of bradykinin in microbial infection: enhancement of septicemia by microbial proteases and kinin. <i>Agents and Actions Supplements</i> , 1993 , 42, 159-65	0.2	22
25	Conjugates of anticancer agents and polymers: advantages of macromolecular therapeutics in vivo. <i>Bioconjugate Chemistry</i> , 1992 , 3, 351-62	6.3	482
24	Enhanced tumor localization of monoclonal antibody by treatment with kininase II inhibitor and angiotensin II. <i>Japanese Journal of Cancer Research</i> , 1992 , 83, 240-3		28
23	Evidence of direct generation of oxygen free radicals from heterocyclic amines by NADPH/cytochrome P-450 reductase in vitro. <i>Japanese Journal of Cancer Research</i> , 1992 , 83, 1204-9		44
22	SMANCS and polymer-conjugated macromolecular drugs: advantages in cancer chemotherapy. <i>Advanced Drug Delivery Reviews</i> , 1991 , 6, 181-202	18.5	192
21	Enhancement by verapamil of neocarzinostatin action on multidrug-resistant Chinese hamster ovary cells: possible release of nonprotein chromophore in cells. <i>Japanese Journal of Cancer Research</i> , 1991 , 82, 351-6		9
20	Kinin-generating cascade in advanced cancer patients and in vitro study. <i>Japanese Journal of Cancer Research</i> , 1991 , 82, 732-41		89

19	Oxygen free radicals as pathogenic molecules in viral diseases. <i>Experimental Biology and Medicine</i> , 1991 , 198, 721-7	3.7	80
18	Tumor-targeted chemotherapy with lipid contrast medium and macromolecular anticancer drug (SMANCS) for renal cell carcinoma. <i>Urology</i> , 1991 , 37, 288-94	1.6	16
17	Enhanced intestinal absorption of a hydrophobic polymer-conjugated protein drug, smancs, in an oily formulation. <i>Pharmaceutical Research</i> , 1990 , 7, 852-5	4.5	20
16	Stimulation of non-specific resistance to tumors in the mouse using a poly(maleic-acid-styrene)-conjugated neocarzinostatin. <i>Cancer Immunology, Immunotherapy</i> , 1989 , 30, 97-104	7.4	10
15	Quantification, isolation and structural determination of bradykinin and hydroxyprolyl-bradykinin in tumor ascites. <i>Advances in Experimental Medicine and Biology</i> , 1989 , 247A, 587-92	3.6	2
14	Chemical modification of superoxide dismutase. Extension of plasma half life of the enzyme through its reversible binding to the circulating albumin. <i>International Journal of Peptide and Protein Research</i> , 1988 , 32, 153-9		51
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