Pavla Pouckova

List of Publications by Year in Descending Order

65 papers	1,664 citations	22 h-index	38 g-index
74 ext. papers	1,888 ext. citations	5.4 avg, IF	3.98 L-index

#	Paper	IF	Citations
65	pH-responsive polymersome-mediated delivery of doxorubicin into tumor sites enhances the therapeutic efficacy and reduces cardiotoxic effects. *Journal of Controlled Release*, **2021**, 332, 529-538	11.7	10
64	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. *Biomacromolecules*, **2020**, 21, 1437-1449	6.9	22
63	The FSHR Expression in Head and Neck Squamous Cell Cancer. A Pilot Immunohistochemical Study. *Anticancer Research*, **2020**, 40, 349-356	2.3	3
62	Targeted Polymer-Based Probes for Fluorescence Guided Visualization and Potential Surgery of EGFR-Positive Head-and-Neck Tumors. *Pharmaceutics*, **2020**, 12,	6.4	8
61	Hydrogels based on low-methoxyl amidated citrus pectin and flaxseed gum formulated with tripeptide glycyl-l-histidyl-l-lysine improve the healing of experimental cutting wounds in rats. *International Journal of Biological Macromolecules*, **2020**, 165, 3156-3168	7.9	13
60	Drug Delivery Systems for Phthalocyanines for Photodynamic Therapy. *Anticancer Research*, **2019**, 39, 3323-3339	2.3	41
59	Biopolymer strategy for the treatment of Wilson's disease. *Journal of Controlled Release*, **2018**, 273, 131-138	11.7	3
58	Silica-based nanoparticles are efficient delivery systems for temoporfin. *Photodiagnosis and Photodynamic Therapy*, **2018**, 21, 275-284	3.5	13
57	Poly(ethylene oxide monomethyl ether)- block-poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. *Biomacromolecules*, **2018**, 19, 2443-2458	6.9	9
56	Alcohol-abuse drug disulfiram targets cancer via p97 segregase adaptor NPL4. *Nature*, **2017**, 552, 194-199	50.4	320
55	Phthalocyanine-Conjugated Upconversion NaYF :Yb /Er @SiO Nanospheres for NIR-Triggered Photodynamic Therapy in a Tumor Mouse Model. *ChemMedChem*, **2017**, 12, 2066-2073	3.7	18
54	Survivin, a novel target of the Hedgehog/GLI signaling pathway in human tumor cells. *Cell Death and Disease*, **2016**, 7, e2048	9.8	21
53	In vivo effects of focused shock waves on tumor tissue visualized by fluorescence staining techniques. *Bioelectrochemistry*, **2015**, 103, 103-10	5.6	12
52	Striking antitumor activity of a methinium system with incorporated quinoxaline unit obtained by spontaneous cyclization. *ChemBioChem*, **2015**, 16, 555-8	3.8	5
51	New method for recognition of sterol signalling molecules: methinium salts as receptors for sulphated steroids. *Steroids*, **2015**, 94, 15-20	2.8	5
50	Multistage-targeted pH-responsive polymer conjugate of Auger electron emitter: optimized design and in vivo activity. *European Journal of Pharmaceutical Sciences*, **2014**, 63, 216-25	5.1	10
49	Chelating polymeric beads as potential therapeutics for Wilson's disease. *European Journal of Pharmaceutical Sciences*, **2014**, 62, 1-7	5.1	8

48	Focused tandem shock waves in water and their potential application in cancer treatment. *Shock Waves*, **2014**, 24, 51-57	1.6	25
47	Dual role of host Par2 in a murine model of spontaneous metastatic B16 melanoma. *Anticancer Research*, **2014**, 34, 3511-5	2.3	11
46	Chelating polymeric particles intended for the therapy of Wilson's disease. *Reactive and Functional Polymers*, **2013**, 73, 1426-1431	4.6	7
45	Combination of two chromophores: synthesis and PDT application of porphyrin-pentamethinium conjugate. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 82-4	2.9	15
44	Biological effects of tandem shock waves demonstrated on magnetic resonance. *Bratislava Medical Journal*, **2012**, 113, 335-8	1.7	4
43	Biochemical properties of three plant nucleases with anticancer potential. *Plant Science*, **2011**, 180, 343-51	3.3	16
42	Thermoresponsive polymeric radionuclide delivery system--an injectable brachytherapy. *European Journal of Pharmaceutical Sciences*, **2011**, 42, 484-8	5.1	28
41	Coordination conjugates of therapeutic proteins with drug carriers: a new approach for versatile advanced drug delivery. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 5514-20	2.9	27
40	Antitumor activity of apoptotic nuclease TBN1 from L. esculentum. *Neoplasma*, **2010**, 57, 339-48	3.3	16
39	Modified porphyrin-brucine conjugated to gold nanoparticles and their application in photodynamic therapy. *Organic and Biomolecular Chemistry*, **2010**, 8, 3202-6	3.9	42
38	Porphyrin-cyclodextrin conjugates as a nanosystem for versatile drug delivery and multimodal cancer therapy. *Journal of Medicinal Chemistry*, **2010**, 53, 128-38	8.3	106
37	Mapping the ribonucleolytic active site of bovine seminal ribonuclease. The binding of pyrimidinyl phosphonucleotide inhibitors. *European Journal of Medicinal Chemistry*, **2009**, 44, 4496-508	6.8	7
36	Photodynamic therapy of human colorectal carcinoma cell line. *Photomedicine and Laser Surgery*, **2009**, 27, 107-10		1
35	Antitumor effects and cytotoxicity of recombinant plant nucleases. *Oncology Research*, **2009**, 18, 163-71	4.8	13
34	Glycol porphyrin derivatives as potent photodynamic inducers of apoptosis in tumor cells. *Journal of Medicinal Chemistry*, **2008**, 51, 5964-73	8.3	58
33	Porphyrin-bile acid conjugates: from saccharide recognition in the solution to the selective cancer cell fluorescence detection. *Organic and Biomolecular Chemistry*, **2008**, 6, 1548-52	3.9	42
32	Differences in antitumor effects of various statins on human pancreatic cancer. *International Journal of Cancer*, **2008**, 122, 1214-21	7.5	81
31	Potential applications of tandem shock waves in cancers therapy **2007**,		2

30	Cytotoxicity of polyspermine-ribonuclease A and polyspermine-dimeric ribonuclease A. *Bioconjugate Chemistry*, **2007**, 18, 1946-55	6.3	8
29	Optimum modality for photodynamic therapy of tumors: gels containing liposomes with hydrophobic photosensitizers. *Drug Development Research*, **2007**, 68, 235-252	5.1	4
28	Radiation-induced production of PAR-1 and TGF-beta 1 mRNA in lung of C57Bl6 and C3H murine strains and influence of pharmacoprophylaxis by ACE inhibitors. *Pathology Research and Practice*, **2007**, 203, 107-14	3.4	8
27	Generation of Two Successive Shock Waves Focused to a Common Focal Point. *IEEE Transactions on Plasma Science*, **2006**, 34, 1382-1385	1.3	18
26	Comparative anti-tumor efficacy of two orally administered platinum(IV) drugs in nude mice bearing human tumor xenografts. *Anti-Cancer Drugs*, **2006**, 17, 201-6	2.4	24
25	Effect of wheat leaf ribonuclease on tumor cells and tissues. *Anti-Cancer Drugs*, **2006**, 17, 815-23	2.4	7
24	Novel porphyrin conjugates with a potent photodynamic antitumor effect: differential efficacy of mono- and bis-beta-cyclodextrin derivatives in vitro and in vivo. *Photochemistry and Photobiology*, **2006**, 82, 432-8	3.6	38
23	Preclinical anti-tumor activity of a new oral platinum(IV) drug LA-12. *Anti-Cancer Drugs*, **2005**, 16, 653-7	2.4	26
22	Biodistribution assessment of a lutetium(III) texaphyrin analogue in tumor-bearing mice using NIR Fourier-transform Raman spectroscopy. *Photochemistry and Photobiology*, **2004**, 79, 453-60	3.6	11
21	Effect of hyaluronidase and PEG chain conjugation on the biologic and antitumor activity of RNase A. *Journal of Controlled Release*, **2004**, 94, 401-10	11.7	11
20	Polymer-conjugated bovine pancreatic and seminal ribonucleases inhibit growth of human tumors in nude mice. *Journal of Controlled Release*, **2004**, 95, 83-92	11.7	23
19	Localized damage of tissues induced by focused shock waves. *IEEE Transactions on Plasma Science*, **2004**, 32, 1609-1613	1.3	33
18	Antitumor activity and other biological actions of oligomers of ribonuclease A. *Journal of Biological Chemistry*, **2003**, 278, 23817-22	5.4	52
17	Experimental photodynamic therapy with MESO-tetrakisphenylporphyrin (TPP) in liposomes leads to disintegration of human amelanotic melanoma implanted to nude mice. *International Journal of Cancer*, **2003**, 103, 693-702	7.5	16
16	PEG chains increase aspermatogenic and antitumor activity of RNase A and BS-RNase enzymes. *Journal of Controlled Release*, **2002**, 82, 29-37	11.7	28
15	Synthesis and biolocalization of water-soluble sapphyrins. *Journal of Medicinal Chemistry*, **2002**, 45, 107388	3	50
14	Coupling of the antitumoral enzyme bovine seminal ribonuclease to polyethylene glycol chains increases its systemic efficacy in mice. *Anti-Cancer Drugs*, **2002**, 13, 149-54	2.4	14
13	Poly[N-(2-hydroxypropyl)methacrylamide] conjugates of bovine pancreatic ribonuclease (RNase A) inhibit growth of human melanoma in nude mice. *Journal of Drug Targeting*, **2002**, 10, 175-83	5.4	22

12	Mixture of trypsin, chymotrypsin and papain reduces formation of metastases and extends survival time of C57Bl6 mice with syngeneic melanoma B16. *Cancer Chemotherapy and Pharmacology*, **2001**, 47 Suppl, S16-22	3.5	45
11	Expression of proteinase-activated receptor 2 during taurocholate-induced acute pancreatic lesion development in Wistar rats. *International Journal of Gastrointestinal Cancer*, **2001**, 30, 113-21		16
10	Resonance Raman and UV-Visible Spectroscopic Studies of Water-Soluble Sapphyrin Derivative: Drug Localization in Tumor and Normal Mice Tissues. *Applied Spectroscopy*, **2001**, 55, 142-148	3.1	10
9	Treatment of drug-resistant human neuroblastoma cells with cyclodextrin inclusion complexes of aphidicolin. *Anti-Cancer Drugs*, **2001**, 12, 467-73	2.4	8
8	Poly[N-(2-Hydroypropyl)Methacrylamide] Conjugates of Bovine Seminal Ribonuclease. Synthesis, Physicochemical, and Preliminary Biological Evaluation. *Journal of Bioactive and Compatible Polymers*, **2000**, 15, 4-26	2	8
7	Poly[N-(2-hydroxypropyl)meth-acrylamide] Conjugates of Bovine Seminal Ribonuclease. Synthesis, Physicochemical, and Preliminary Biological Evaluation. *Journal of Bioactive and Compatible Polymers*, **2000**, 15, 4-26	2	9
6	Antitumor action of bovine seminal ribonuclease. *Folia Microbiologica*, **1998**, 43, 511-2	2.8	3
5	Proteinases reduce metastatic dissemination and increase survival time in C57Bl6 mice with the Lewis lung carcinoma. *Life Sciences*, **1998**, 63, PL237-43	6.8	14
4	Sodium valproate inhibits in vivo growth of human neuroblastoma cells. *Anti-Cancer Drugs*, **1997**, 8, 958-63	2.4	79
3	Hyperbaric oxygen and photodynamic therapy in tumour-bearing nude mice. *European Journal of Cancer & Clinical Oncology*, **1991**, 27, 109		36
2	Can Y3+ Ions serve as a Tumor Localizer?. *Isotopes in Environmental and Health Studies*, **1991**, 27, 332-334		
1	Monoclonal antibodies against human urinary bladder carcinomas: selectivity and utilization for gamma scintigraphy. *European Journal of Cancer & Clinical Oncology*, **1985**, 21, 701-10		13