

Peter R Wich

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

47
papers

1,119
citations

19
h-index

32
g-index

56
ext. papers

1,315
ext. citations

6.6
avg, IF

4.45
L-index

#	Paper	IF	Citations
47	Nanoparticulate strategies for the delivery of miRNA mimics and inhibitors in anticancer therapy and its potential utility in oral submucous fibrosis.. <i>Nanomedicine</i> , 2022 ,	5.6	2
46	Attenuation of Cigarette-Smoke-Induced Oxidative Stress, Senescence, and Inflammation by Berberine-Loaded Liquid Crystalline Nanoparticles: In Vitro Study in 16HBE and RAW264.7 Cells. <i>Antioxidants</i> , 2022 , 11, 873	7.1	3
45	Co-Encapsulation of L-Asparaginase and Etoposide in Dextran Nanoparticles for Synergistic Effect in Chronic Myeloid Leukemia Cells.. <i>International Journal of Pharmaceutics</i> , 2022 , 121796	6.5	1
44	Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-15	11.5	2
43	Targeting respiratory diseases using miRNA inhibitor based nanotherapeutics: Current status and future perspectives. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 31, 102303	6	7
42	Recent trends of NFB decoy oligodeoxynucleotide-based nanotherapeutics in lung diseases. <i>Journal of Controlled Release</i> , 2021 , 337, 629-644	11.7	7
41	Plants derived therapeutic strategies targeting chronic respiratory diseases: Chemical and immunological perspective. <i>Chemico-Biological Interactions</i> , 2020 , 325, 109125	5	24
40	Metal-organic frameworks as protective matrices for peptide therapeutics. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 356-363	9.3	10
39	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , 2020 , 28, 795-817	5.1	35
38	Asymmetric Disulfanylbenzamides as Irreversible and Selective Inhibitors of Staphylococcus aureus Sortase A. <i>ChemMedChem</i> , 2020 , 15, 839-850	3.7	16
37	Detailed algal extracellular carbohydrate-protein characterisation lends insight into algal solid-liquid separation process outcomes. <i>Water Research</i> , 2020 , 178, 115833	12.5	16
36	pH-Responsive protein nanoparticles via conjugation of degradable PEG to the surface of cytochrome c. <i>Polymer Chemistry</i> , 2020 , 11, 551-559	4.9	7
35	Double stimuli-responsive polysaccharide block copolymers as green macrosurfactants for near-infrared photodynamic therapy. <i>Soft Matter</i> , 2019 , 15, 1423-1434	3.6	10
34	Xylochemical Synthesis of Cytotoxic 2-Aminophenoxazinone-Type Natural Products Through Oxidative Cross Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4414-4419	8.3	14
33	Receptor-mediated Uptake of Folic Acid-functionalized Dextran Nanoparticles for Applications in Photodynamic Therapy. <i>Polymers</i> , 2019 , 11,	4.5	16
32	Delivering all in one: Antigen-nanocapsule loaded with dual adjuvant yields superadditive effects by DC-directed T cell stimulation. <i>Journal of Controlled Release</i> , 2018 , 289, 23-34	11.7	17
31	Protein-Based Nanoparticles for the Delivery of Enzymes with Antibacterial Activity. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800186	4.8	14

30	Surface Modification of Polysaccharide-Based Nanoparticles with PEG and Dextran and the Effects on Immune Cell Binding and Stimulatory Characteristics. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4403-4416	5.6	26
29	Amphiphilic Polysaccharide Block Copolymers for pH-Responsive Micellar Nanoparticles. <i>Biomacromolecules</i> , 2017 , 18, 2839-2848	6.9	31
28	Development of Novel Peptide-Based Michael Acceptors Targeting Rhodospirillum rubrum and Falcipain-2 for the Treatment of Neglected Tropical Diseases (NTDs). <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 6911-6923	8.3	31
27	Methods of protein surface PEGylation under structure preservation for the emulsion-based formation of stable nanoparticles. <i>MedChemComm</i> , 2016 , 7, 1738-1744	5	7
26	Dextran-based therapeutic nanoparticles for hepatic drug delivery. <i>Nanomedicine</i> , 2016 , 11, 2663-2677	5.6	42
25	Quantum Chemical-Based Protocol for the Rational Design of Covalent Inhibitors. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8332-5	16.4	47
24	Nanoparticle Assembly of Surface-Modified Proteins. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14820-14823	16.4	23
23	Baukasten der Natur. <i>Nachrichten Aus Der Chemie</i> , 2015 , 63, 128-132	0.1	
22	A new approach to inhibit human Eryptase by protein surface binding of four-armed peptide ligands with two different sets of arms. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1631-9	3.9	19
21	Degradable Dextran Particles for Gene Delivery Applications. <i>Australian Journal of Chemistry</i> , 2012 , 65, 15	1.2	17
20	Polyphosphonium polymers for siRNA delivery: an efficient and nontoxic alternative to polyammonium carriers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1902-5	16.4	116
19	Aerosolized antimicrobial agents based on degradable dextran nanoparticles loaded with silver carbene complexes. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3012-22	5.6	39
18	Conjugation chemistry through acetals toward a dextran-based delivery system for controlled release of siRNA. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15840-8	16.4	76
17	Acid-degradable cationic dextran particles for the delivery of siRNA therapeutics. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1056-65	6.3	123
16	Site-specific pKa determination of the carboxylate-binding subunit in artificial peptide receptors. <i>Chemical Communications</i> , 2010 , 46, 2133-5	5.8	16
15	Reversible and noncompetitive inhibition of beta-tryptase by protein surface binding of tetravalent peptide ligands identified from a combinatorial split-mix library. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4113-6	16.4	22
14	Characterization of guanidiniocarbonyl pyrroles in water by pH-dependent UV Raman spectroscopy and component analysis. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6770-5	3.6	14
13	A Facile and Efficient Multi-Gram Synthesis of N-Protected 5-(Guanidiniocarbonyl)-1H-pyrrole-2-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 324-329	3.2	41

12	UV resonance Raman spectroscopic monitoring of supramolecular complex formation: peptide recognition in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 4598-603	3.6	18
11	The Development of Artificial Receptors for Small Peptides Using Combinatorial Approaches 2007 , 3-30		18
10	Direct and label-free detection of solid-phase-bound compounds by using surface-enhanced Raman scattering microspectroscopy. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4786-9	16.4	39
9	Direkte und markierungsfreie Detektion von festphasengebundenen Substanzen durch oberflächenverstärkte Raman-Streuung. <i>Angewandte Chemie</i> , 2007 , 119, 4870-4873	3.6	9
8	Sequence-dependent stereoselectivity in the binding of tetrapeptides in water by a flexible artificial receptor. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4277-81	16.4	59
7	Atropodiastereoselective Cleavage of Configurationally Unstable Biaryl Lactones with Amino Acid Esters. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4349-4361	3.2	17
6	Sequence-Dependent Stereoselectivity in the Binding of Tetrapeptides in Water by a Flexible Artificial Receptor. <i>Angewandte Chemie</i> , 2006 , 118, 4383-4387	3.6	26
5	Combinatorial receptor finding: large and random vs. small and focused libraries. <i>New Journal of Chemistry</i> , 2006 , 30, 1377-1385	3.6	21
4	World Wide Web Chemie und Recht. <i>Nachrichten Aus Der Chemie</i> , 2005 , 53, 1142-1142	0.1	
3	World Wide Web Chemie - aber sicher. <i>Nachrichten Aus Der Chemie</i> , 2005 , 53, 431-431	0.1	
2	World Wide Web Chromatographie. <i>Nachrichten Aus Der Chemie</i> , 2005 , 53, 536-536	0.1	
1	Silicon in Organic and Bioorganic Chemistry 478-600		