

Peter R Wich

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,482
citations

304368

22
h-index

329751

37
g-index

56
all docs

56
docs citations

56
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid-Degradable Cationic Dextran Particles for the Delivery of siRNA Therapeutics. <i>Bioconjugate Chemistry</i> , 2011, 22, 1056-1065.	1.8	142
2	Polyphosphonium Polymers for siRNA Delivery: An Efficient and Nontoxic Alternative to Polyammonium Carriers. <i>Journal of the American Chemical Society</i> , 2012, 134, 1902-1905.	6.6	122
3	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, 15840-15848.	6.6	82
4	Quantum Chemical-Based Protocol for the Rational Design of Covalent Inhibitors. <i>Journal of the American Chemical Society</i> , 2016, 138, 8332-8335.	6.6	69
5	Sequence-Dependent Stereoselectivity in the Binding of Tetrapeptides in Water by a Flexible Artificial Receptor. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4277-4281.	7.2	66
6	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , 2020, 28, 795-817.	1.9	65
7	Dextran-based therapeutic nanoparticles for hepatic drug delivery. <i>Nanomedicine</i> , 2016, 11, 2663-2677.	1.7	50
8	Aerosolized Antimicrobial Agents Based on Degradable Dextran Nanoparticles Loaded with Silver Carbene Complexes. <i>Molecular Pharmaceutics</i> , 2012, 9, 3012-3022.	2.3	49
9	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.	2.9	46
10	Amphiphilic Polysaccharide Block Copolymers for pH-Responsive Micellar Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 2839-2848.	2.6	45
11	A Facile and Efficient Multi-Step Synthesis of <i>N</i> -Protected 5-(Guanidinocarbonyl)- <i>H</i> -pyrrole-2-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 324-329.	1.2	43
12	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, 4786-4789.	7.2	42
13	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.	2.3	40
14	Plants derived therapeutic strategies targeting chronic respiratory diseases: Chemical and immunological perspective. <i>Chemico-Biological Interactions</i> , 2020, 325, 109125.	1.7	40
15	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.	4.8	33
16	Nanoparticle Assembly of Surface-Modified Proteins. <i>Journal of the American Chemical Society</i> , 2016, 138, 14820-14823.	6.6	31
17	Detailed algal extracellular carbohydrate-protein characterisation lends insight into algal solid-liquid separation process outcomes. <i>Water Research</i> , 2020, 178, 115833.	5.3	27
18	Reversible and Noncompetitive Inhibition of α -Trypsin by Protein Surface Binding of Tetravalent Peptide Ligands Identified from a Combinatorial Split-Mix Library. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4113-4116.	7.2	26

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19	Xylochemical Synthesis of Cytotoxic 2-Aminophenoxazinone-Type Natural Products Through Oxidative Cross Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4414-4419.	3.2	24
20	Receptor-mediated Uptake of Folic Acid-functionalized Dextran Nanoparticles for Applications in Photodynamic Therapy. <i>Polymers</i> , 2019, 11, 896.	2.0	24
21	Asymmetric Disulfanylbenzamides as Irreversible and Selective Inhibitors of <i>Staphylococcus aureus</i> Sortase A. <i>ChemMedChem</i> , 2020, 15, 839-850.	1.6	24
22	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.	2.2	24
23	Combinatorial receptor finding—large and random vs. small and focused libraries. <i>New Journal of Chemistry</i> , 2006, 30, 1377-1385.	1.4	22
24	A new approach to inhibit human β -tryptase by protein surface binding of four-armed peptide ligands with two different sets of arms. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1631.	1.5	21
25	Recent trends of NF κ B decoy oligodeoxynucleotide-based nanotherapeutics in lung diseases. <i>Journal of Controlled Release</i> , 2021, 337, 629-644.	4.8	21
26	UV resonance Raman spectroscopic monitoring of supramolecular complex formation: peptide recognition in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4598.	1.3	20
27	The Development of Artificial Receptors for Small Peptides Using Combinatorial Approaches. , 2007, , 3-30.		20
28	Protein-Based Nanoparticles for the Delivery of Enzymes with Antibacterial Activity. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800186.	2.0	19
29	Degradable Dextran Particles for Gene Delivery Applications. <i>Australian Journal of Chemistry</i> , 2012, 65, 15.	0.5	18
30	Double stimuli-responsive polysaccharide block copolymers as green macro surfactants for near-infrared photodynamic therapy. <i>Soft Matter</i> , 2019, 15, 1423-1434.	1.2	18
31	Atropodiastereoselective Cleavage of Configurationally Unstable Biaryl Lactones with Amino Acid Esters. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4349-4361.	1.2	17
32	Site-specific pKa determination of the carboxylate-binding subunit in artificial peptide receptors. <i>Chemical Communications</i> , 2010, 46, 2133.	2.2	17
33	miRNA nanotherapeutics: potential and challenges in respiratory disorders. <i>Future Medicinal Chemistry</i> , 2020, 12, 987-990.	1.1	17
34	Characterization of guanidiniocarbonyl pyrroles in water by pH-dependent UV Raman spectroscopy and component analysis. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6770.	1.3	16
35	Targeting respiratory diseases using miRNA inhibitor based nanotherapeutics: Current status and future perspectives. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 31, 102303.	1.7	16
36	Metal-organic frameworks as protective matrices for peptide therapeutics. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 356-363.	5.0	15

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37	pH-Responsive protein nanoparticles via conjugation of degradable PEG to the surface of cytochrome c. <i>Polymer Chemistry</i> , 2020, 11, 551-559.	1.9	14
38	Methods of protein surface PEGylation under structure preservation for the emulsion-based formation of stable nanoparticles. <i>MedChemComm</i> , 2016, 7, 1738-1744.	3.5	12
39	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, 17, 181-195.	1.7	10
40	Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7576-7590.	5.4	9
41	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, 622, 121796.	2.6	8
42	Versatility of acetalated dextran in nanocarriers targeting respiratory diseases. <i>Materials Letters</i> , 2022, 323, 132600.	1.3	7
43	Can dextran-based nanoparticles mitigate inflammatory lung diseases?. <i>Future Medicinal Chemistry</i> , 2021, 13, 2027-2031.	1.1	4
44	FCI Literature Prize: T. Schirmeister, C. Schmuck, P. R. Wich / Foundation for Polish Science Award: D. T. Gryko / Heinz Award: J. M. DeSimone. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1745-1745.	7.2	2
45	World Wide Web Chemie und Recht. <i>Nachrichten Aus Der Chemie</i> , 2005, 53, 1142-1142.	0.0	0
46	World Wide Web Chemie aber sicher. <i>Nachrichten Aus Der Chemie</i> , 2005, 53, 431-431.	0.0	0
47	World Wide Web Chromatographie. <i>Nachrichten Aus Der Chemie</i> , 2005, 53, 536-536.	0.0	0
48	Quantitative UV RR Spectroscopy of Artificial Peptide Receptors. , 2010, , .		0