

# Peter R Wich

## List of Publications by Citations

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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 | Acid-degradable cationic dextran particles for the delivery of siRNA therapeutics. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 1056-65   | 6.3  | 123       |
| 46 | Polyphosphonium polymers for siRNA delivery: an efficient and nontoxic alternative to polyammonium carriers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1902-5   | 16.4 | 116       |
| 45 | Conjugation chemistry through acetals toward a dextran-based delivery system for controlled release of siRNA. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15840-8   | 16.4 | 76        |
| 44 | Sequence-dependent stereoselectivity in the binding of tetrapeptides in water by a flexible artificial receptor. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4277-81  | 16.4 | 59        |
| 43 | Quantum Chemical-Based Protocol for the Rational Design of Covalent Inhibitors. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8332-5  | 16.4 | 47        |
| 42 | Dextran-based therapeutic nanoparticles for hepatic drug delivery. <i>Nanomedicine</i> , <b>2016</b> , 11, 2663-2677   | 5.6  | 42        |
| 41 | A Facile and Efficient Multi-Gram Synthesis of N-Protected 5-(Guanidinocarbonyl)-1H-pyrrole-2-carboxylic Acids. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 324-329   | 3.2  | 41        |
| 40 | Aerosolized antimicrobial agents based on degradable dextran nanoparticles loaded with silver carbene complexes. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 3012-22   | 5.6  | 39        |
| 39 | Direct and label-free detection of solid-phase-bound compounds by using surface-enhanced Raman scattering microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4786-9  | 16.4 | 39        |
| 38 | Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , <b>2020</b> , 28, 795-817   | 5.1  | 35        |
| 37 | Amphiphilic Polysaccharide Block Copolymers for pH-Responsive Micellar Nanoparticles. <i>Biomacromolecules</i> , <b>2017</b> , 18, 2839-2848   | 6.9  | 31        |
| 36 | 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> , <b>2017</b> , 60, 6911-6923                  | 8.3  | 31        |
| 35 | Surface Modification of Polysaccharide-Based Nanoparticles with PEG and Dextran and the Effects on Immune Cell Binding and Stimulatory Characteristics. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 4403-4416                               | 5.6  | 26        |
| 34 | Sequence-Dependent Stereoselectivity in the Binding of Tetrapeptides in Water by a Flexible Artificial Receptor. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4383-4387   | 3.6  | 26        |
| 33 | Plants derived therapeutic strategies targeting chronic respiratory diseases: Chemical and immunological perspective. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 325, 109125   | 5    | 24        |
| 32 | Nanoparticle Assembly of Surface-Modified Proteins. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14820-14823   | 16.4 | 23        |
| 31 | 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> , <b>2010</b> , 49, 4113-6 | 16.4 | 22        |

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|----|--|------|----|
| 30 | Combinatorial receptor finding Large and random vs. small and focused libraries. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 1377-1385   | 3.6  | 21 |
| 29 | A new approach to inhibit human $\beta$ -cryptase by protein surface binding of four-armed peptide ligands with two different sets of arms. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 1631-9 | 3.9  | 19 |
| 28 | UV resonance Raman spectroscopic monitoring of supramolecular complex formation: peptide recognition in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 4598-603                 | 3.6  | 18 |
| 27 | The Development of Artificial Receptors for Small Peptides Using Combinatorial Approaches <b>2007</b> , 3-30   |      | 18 |
| 26 | Degradable Dextran Particles for Gene Delivery Applications. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 15   | 1.2  | 17 |
| 25 | Atropodiastereoselective Cleavage of Configurationally Unstable Biaryl Lactones with Amino Acid Esters. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 4349-4361                             | 3.2  | 17 |
| 24 | 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> , <b>2018</b> , 289, 23-34             | 11.7 | 17 |
| 23 | Receptor-mediated Uptake of Folic Acid-functionalized Dextran Nanoparticles for Applications in Photodynamic Therapy. <i>Polymers</i> , <b>2019</b> , 11,  | 4.5  | 16 |
| 22 | Asymmetric Disulfanylbenzamides as Irreversible and Selective Inhibitors of Staphylococcus aureus Sortase A. <i>ChemMedChem</i> , <b>2020</b> , 15, 839-850  | 3.7  | 16 |
| 21 | Detailed algal extracellular carbohydrate-protein characterisation lends insight into algal solid-liquid separation process outcomes. <i>Water Research</i> , <b>2020</b> , 178, 115833                          | 12.5 | 16 |
| 20 | Site-specific pKa determination of the carboxylate-binding subunit in artificial peptide receptors. <i>Chemical Communications</i> , <b>2010</b> , 46, 2133-5  | 5.8  | 16 |
| 19 | Xylochemical Synthesis of Cytotoxic 2-Aminophenoxazinone-Type Natural Products Through Oxidative Cross Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 4414-4419                   | 8.3  | 14 |
| 18 | Characterization of guanidiniocarbonyl pyrroles in water by pH-dependent UV Raman spectroscopy and component analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6770-5                     | 3.6  | 14 |
| 17 | Protein-Based Nanoparticles for the Delivery of Enzymes with Antibacterial Activity. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800186   | 4.8  | 14 |
| 16 | Double stimuli-responsive polysaccharide block copolymers as green macrosurfactants for near-infrared photodynamic therapy. <i>Soft Matter</i> , <b>2019</b> , 15, 1423-1434                                     | 3.6  | 10 |
| 15 | Metal-organic frameworks as protective matrices for peptide therapeutics. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 576, 356-363   | 9.3  | 10 |
| 14 | Direkte und markierungsfreie Detektion von festphasengebundenen Substanzen durch oberflächenverstärkte Raman-Streuung. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 4870-4873                                   | 3.6  | 9  |
| 13 | Methods of protein surface PEGylation under structure preservation for the emulsion-based formation of stable nanoparticles. <i>MedChemComm</i> , <b>2016</b> , 7, 1738-1744                                     | 5    | 7  |

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|----|---|------|---|
| 12 | pH-Responsive protein nanoparticles via conjugation of degradable PEG to the surface of cytochrome c. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 551-559  | 4.9  | 7 |
| 11 | Targeting respiratory diseases using miRNA inhibitor based nanotherapeutics: Current status and future perspectives. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 31, 102303                          | 6    | 7 |
| 10 | Recent trends of NFB decoy oligodeoxynucleotide-based nanotherapeutics in lung diseases. <i>Journal of Controlled Release</i> , <b>2021</b> , 337, 629-644  | 11.7 | 7 |
| 9  | 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> , <b>2022</b> , 11, 873 | 7.1  | 3 |
| 8  | Nanoparticulate strategies for the delivery of miRNA mimics and inhibitors in anticancer therapy and its potential utility in oral submucous fibrosis.. <i>Nanomedicine</i> , <b>2022</b> ,   | 5.6  | 2 |
| 7  | Treatment of chronic airway diseases using nutraceuticals: Mechanistic insight. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-15  | 11.5 | 2 |
| 6  | Co-Encapsulation of l-Asparaginase and Etoposide in Dextran Nanoparticles for Synergistic Effect in Chronic Myeloid Leukemia Cells.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 121796                           | 6.5  | 1 |
| 5  | Baukasten der Natur. <i>Nachrichten Aus Der Chemie</i> , <b>2015</b> , 63, 128-132  | 0.1  |   |
| 4  | World Wide Web Chemie und Recht. <i>Nachrichten Aus Der Chemie</i> , <b>2005</b> , 53, 1142-1142  | 0.1  |   |
| 3  | World Wide Web Chemie - aber sicher. <i>Nachrichten Aus Der Chemie</i> , <b>2005</b> , 53, 431-431  | 0.1  |   |
| 2  | World Wide Web Chromatographie. <i>Nachrichten Aus Der Chemie</i> , <b>2005</b> , 53, 536-536   | 0.1  |   |
| 1  | Silicon in Organic and Bioorganic Chemistry 478-600   |      |   |