

# Marc B Taraban

## List of Publications by Year in descending order

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28  
papers

349  
citations

840776

11  
h-index

839539

18  
g-index

28  
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28  
docs citations

28  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Proton NMR: A Tool for Protein Aggregation Characterization. <i>Analytical Chemistry</i> , 2017, 89, 5494-5502.	6.5	39
2	Water proton NMR—a sensitive probe for solute association. <i>Chemical Communications</i> , 2015, 51, 6804-6807.	4.1	33
3	Avoiding Steric Congestion in Dendrimer Growth through Proportionate Branching: A Twist on da Vinci's Rule of Tree Branching. <i>Journal of Organic Chemistry</i> , 2012, 77, 8879-8887.	3.2	29
4	Chirality-Mediated Mechanical and Structural Properties of Oligopeptide Hydrogels. <i>Chemistry of Materials</i> , 2012, 24, 2299-2310.	6.7	26
5	Water Proton NMR for In Situ Detection of Insulin Aggregates. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4132-4141.	3.3	23
6	Grand Challenges in Pharmaceutical Research Series: Ridding the Cold Chain for Biologics. <i>Pharmaceutical Research</i> , 2021, 38, 3-7.	3.5	21
7	Use of Water Proton NMR to Characterize Protein Aggregates: Gauging the Response and Sensitivity. <i>Analytical Chemistry</i> , 2019, 91, 4107-4115.	6.5	19
8	Quality assurance at the point-of-care: Noninvasively detecting vaccine freezing variability using water proton NMR. <i>Vaccine</i> , 2020, 38, 4853-4860.	3.8	16
9	Improving Biopharmaceutical Safety through Verification-Based Quality Control. <i>Trends in Biotechnology</i> , 2017, 35, 1140-1155.	9.3	14
10	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. <i>RSC Advances</i> , 2014, 4, 54565-54575.	3.6	13
11	Sol and gel states in peptide hydrogels visualized by Gd(III)-enhanced magnetic resonance imaging. <i>Biopolymers</i> , 2011, 96, 734-743.	2.4	12
12	Flow Water Proton NMR: In-Line Process Analytical Technology for Continuous Biomanufacturing. <i>Analytical Chemistry</i> , 2019, 91, 13538-13546.	6.5	12
13	Nondestructive Quantitative Inspection of Drug Products Using Benchtop NMR Relaxometry—the Case of NovoMix <sup>®</sup> 30. <i>AAPS PharmSciTech</i> , 2019, 20, 189.	3.3	10
14	Monitoring dendrimer conformational transition using <sup>19</sup> F and <sup>1</sup> H <sup>2</sup> O NMR. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 861-872.	1.9	10
15	Effects of chain length on oligopeptide hydrogelation. <i>Soft Matter</i> , 2011, 7, 2624.	2.7	9
16	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. II. Conformational transition vs. supramolecular assembly. <i>RSC Advances</i> , 2019, 9, 1956-1966.	3.6	9
17	Monitoring of the sedimentation kinetics of vaccine adjuvants using water proton NMR relaxation. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 147-161.	1.9	8
18	Noninvasive detection of nanoparticle clustering by water proton NMR. <i>Translational Materials Research</i> , 2017, 4, 025002.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Water proton NMR detection of amide hydrolysis and diglycine dimerization. <i>Chemical Communications</i> , 2018, 54, 7003-7006.	4.1	7
20	All vials are not the same: Potential role of vaccine quality in vaccine adverse reactions. <i>Vaccine</i> , 2021, 39, 6565-6569.	3.8	7
21	Magnetic Resonance Relaxometry for Determination of Protein Concentration and Aggregation. <i>Current Protocols in Protein Science</i> , 2020, 99, e102.	2.8	6
22	Evaluation of the Physicochemical Properties of the Iron Nanoparticle Drug Products: Brand and Generic Sodium Ferric Gluconate. <i>Molecular Pharmaceutics</i> , 2021, 18, 1544-1557.	4.6	5
23	Inspecting Insulin Products Using Water Proton NMR. I. Noninvasive vs Invasive Inspection. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 1410-1418.	2.2	5
24	Effects of gadolinium chelate on the evolution of the nanoscale structure in peptide hydrogels. <i>Biopolymers</i> , 2012, 98, 50-58.	2.4	4
25	Excipient Innovation Through Precompetitive Research. <i>Pharmaceutical Research</i> , 2021, 38, 2179-2184.	3.5	3
26	Split of Chiral Degeneracy in Mechanical and Structural Properties of Oligopeptide-Polysaccharide Biomaterials. <i>Biomacromolecules</i> , 2013, 14, 3192-3201.	5.4	1
27	Rapid and Noninvasive Quantification of Capsid Gene Filling Level Using Water Proton Nuclear Magnetic Resonance. <i>Analytical Chemistry</i> , 2021, 93, 15816-15820.	6.5	1
28	Why some people tolerate the second dose of a vaccine but not the first dose. <i>Annals of Allergy, Asthma and Immunology</i> , 2022, 128, 477-478.	1.0	0