

Jason D Rodriguez

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.

24 papers	444 citations	11 h-index	21 g-index
24 ext. papers	494 ext. citations	5.7 avg, IF	3.84 L-index

#	Paper	IF	Citations
24	Standardization of Raman spectra for transfer of spectral libraries across different instruments. <i>Analyst, The</i> , 2011 , 136, 4232-40	5	58
23	Infrared spectroscopy of gas-phase hydrated K+:18-crown-6 complexes: Evidence for high energy conformer trapping using the argon tagging method. <i>International Journal of Mass Spectrometry</i> , 2009 , 283, 135-139	1.9	51
22	Infrared spectroscopy of ionophore-model systems: hydrated alkali metal ion 18-crown-6 ether complexes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17277-85	16.4	49
21	Probing ionophore selectivity in argon-tagged hydrated alkali metal ion-crown ether systems. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11136-46	16.4	38
20	Exploring gas-phase ion-ionophore interactions: infrared spectroscopy of argon-tagged alkali ion-crown ether complexes. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 1514-20	2.8	35
19	Raman Barcode for Counterfeit Drug Product Detection. <i>Analytical Chemistry</i> , 2016 , 88, 4706-13	7.8	33
18	Libraries, classifiers, and quantifiers: a comparison of chemometric methods for the analysis of Raman spectra of contaminated pharmaceutical materials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 61, 191-8	3.5	31
17	Quantitative evaluation of the sensitivity of library-based Raman spectral correlation methods. <i>Analytical Chemistry</i> , 2011 , 83, 4061-7	7.8	31
16	Infrared spectroscopy of multiply charged metal ions: methanol-solvated divalent manganese 18-crown-6 ether systems. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 6462-7	2.8	23
15	Rapid screening of anti-infective drug products for counterfeits using Raman spectral library-based correlation methods. <i>Analyst, The</i> , 2015 , 140, 7225-33	5	20
14	Screening of unapproved drugs using portable Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2017 , 973, 75-81	6.6	19
13	Expanding the analytical toolbox for identity testing of pharmaceutical ingredients: Spectroscopic screening of dextrose using portable Raman and near infrared spectrometers. <i>Analytica Chimica Acta</i> , 2016 , 914, 91-9	6.6	9
12	Quantitative Raman assays for on-site analysis of stockpiled drugs. <i>Analytica Chimica Acta</i> , 2018 , 1044, 131-137	6.6	8
11	Effects of Dissolution Medium pH and Simulated Gastrointestinal Contraction on Drug Release From Nifedipine Extended-Release Tablets. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 1189-1194	3.9	8
10	Quantitative determinations using portable Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 136, 156-161	3.5	7
9	Rapid screening of guar gum using portable Raman spectral identification methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 118, 387-392	3.5	5
8	Field-Deployable Raman Anti-Counterfeit Screening of Tamiflu Capsules. <i>American Journal of Analytical Chemistry</i> , 2015 , 06, 559-568	0.7	4

7	Quality attributes and evaluation of pharmaceutical glass containers for parenterals. <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118510	6.5	3
6	Raman mapping of fentanyl transdermal delivery systems with off-label modifications. <i>Analyst, The</i> , 2020 , 145, 953-962	5	3
5	In Vitro Analysis of N-Nitrosodimethylamine (NDMA) Formation From Ranitidine Under Simulated Gastrointestinal Conditions. <i>JAMA Network Open</i> , 2021 , 4, e2118253	10.4	3
4	Through-container quantitative analysis of hand sanitizers using spatially offset Raman spectroscopy. <i>Communications Chemistry</i> , 2021 , 4,	6.3	3
3	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	5.6	2
2	Tandem mass spectrometric sequence characterization of synthetic thymidine-rich oligonucleotides.. <i>Journal of Mass Spectrometry</i> , 2022 , 57, e4819	2.2	1
1	Nifedipine Release From Extended-Release Solid Oral Formulations Using In Vitro Dissolution Testing Under Simulated Gastrointestinal Compression. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2173-2179	3.9	