

Robert A Lodder

List of Publications by Year in Descending Order

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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.

83
papers

3,475
citations

19
h-index

58
g-index

94
ext. papers

3,816
ext. citations

4.3
avg, IF

4.06
L-index

#	Paper	IF	Citations
83	Weighted analysis of 2Sfucosyllactose, 3-fucosyllactose, lacto-N-tetraose, 3Ssialyllactose, and 6Ssialyllactose concentrations in human milk.. <i>Food and Chemical Toxicology</i> , 2022 , 163, 112877	4.7	1
82	Spectrometric Results of Process Variations in Dacarbazine. 2022 , 2022,		1
81	Levothyroxine Variations by Process Analytical Technology. 2022 , 2022,		1
80	FTNIR Spectrometry of Micafungin Sodium Quality. 2022 , 2022,		1
79	Lack of Content Uniformity in MMR Vaccine. 2022 , 2022,		1
78	Variability in Content of Piperacillin and Tazobactam Injection. 2022 , 2022,		1
77	Intra-Lot and Inter-Lot Variability in Ceftaroline Fosamil. 2021 , 2021,		1
76	Intra-Lot and Inter-Lot Variability in Cosyntropin. 2021 , 2021,		1
75	The Development of a Novel Pharmaceutical Formulation of D-Tagatose for Spray-Drying. <i>Journal of Pharmaceutical Innovation</i> , 2020 , 1	1.8	2
74	Nonparametric Approach to Weak Signal Detection in the Search for Extraterrestrial Intelligence (SETI). <i>Lecture Notes in Computer Science</i> , 2019 , 3-15	0.9	
73	High prevalence of cholesterol-rich atherosclerotic lesions in ancient mummies: A near-infrared spectroscopy study. <i>American Heart Journal</i> , 2019 , 216, 113-116	4.9	5
72	Human Identification and Localization by Robots in Collaborative Environments. <i>Procedia Computer Science</i> , 2017 , 108, 1602-1611	1.6	2
71	Data-Driven Design of an Ebola Therapeutic. <i>Procedia Computer Science</i> , 2017 , 108, 1612-1621	1.6	0
70	Safety and Efficacy of D-Tagatose in Glycemic Control in Subjects with Type 2 Diabetes 2015 , 3,		9
69	BSN723T Prevents Atherosclerosis and Weight Gain in ApoE Knockout Mice Fed a Western Diet 2015 , 6,		5
68	Effects of Three Low-Doses of D-Tagatose on Glycemic Control Over Six Months in Subjects with Mild Type 2 Diabetes Mellitus Under Control with Diet and Exercise 2014 , 2, 1057		15
67	DDDAS Design of Drug Interventions for the Treatment of Dyslipidemia in ApoE Mice. <i>Journal of Developing Drugs</i> , 2013 , 2,		2

66	The Effect of D-Tagatose on Fructose Absorption in a Rat Model. <i>Journal of Developing Drugs</i> , 2013 , 2,		3
65	International conference on computational science, ICCS 2010 data-driven pill monitoring. <i>Procedia Computer Science</i> , 2010 , 1, 1213-1220	1.6	
64	International conference on computational science, ICCS 2010 data-driven pill monitoring. <i>Procedia Computer Science</i> , 2010 , 1, 1251-1258	1.6	
63	Advantages of Multiscale Detection of Defective Pills during Manufacturing. <i>Lecture Notes in Computer Science</i> , 2010 , 8-16	0.9	2
62	Effect of diets containing sucrose vs. D-tagatose in hypercholesterolemic mice. <i>Obesity</i> , 2009 , 17, 269-758		23
61	Imminent cardiac risk assessment via optical intravascular biochemical analysis. <i>Analyst, The</i> , 2009 , 134, 1099-106	5	4
60	Integrated Sensing and Processing Acoustic Resonance Spectrometry (ISP-ARS) in Differentiating d-Tagatose and Other Toll Manufactured Drugs. <i>Journal of Pharmaceutical Innovation</i> , 2008 , 3, 152-160	1.8	1
59	DDDAS Predictions for Water Spills. <i>Lecture Notes in Computer Science</i> , 2008 , 54-63	0.9	1
58	Molecular factor computing for predictive spectroscopy. <i>Pharmaceutical Research</i> , 2007 , 24, 1441-9	4.5	9
57	Integrated Sensing and Processing Acoustic Resonance Spectrometry (ISP-ARS) for Sample Classification. <i>Journal of Pharmaceutical Innovation</i> , 2007 , 2, 125-134	1.8	12
56	2007 ,		4
55	Near infrared spectrometry for the quantification of human dermal absorption of econazole nitrate and estradiol. <i>Pharmaceutical Research</i> , 2007 , 24, 186-93	4.5	12
54	Dynamically Identifying and Tracking Contaminants in Water Bodies. <i>Lecture Notes in Computer Science</i> , 2007 , 1002-1009	0.9	3
53	Dynamic Data-Driven Application Systems for Empty Houses, Contaminat Tracking, and Wildland Fireline Prediction 2007 , 255-272		3
52	NIR spectrometry for the characterization of fuel components in a novel tamper-resistant pill bottle. <i>Journal of Pharmaceutical Innovation</i> , 2006 , 1, 54-61	1.8	2
51	DDDAS Approaches to Wildland Fire Modeling and Contaminant Tracking 2006 ,		13
50	Acoustic-resonance spectrometry as a process analytical technology for rapid and accurate tablet identification. <i>AAPS PharmSciTech</i> , 2006 , 7, E25	3.9	17
49	Wet granulation in rotary processor and fluid bed: comparison of granule and tablet properties. <i>AAPS PharmSciTech</i> , 2006 , 7, E22	3.9	17

48	Near-infrared spectrometry for the quantification of dermal absorption of econazole nitrate and 4-cyanophenol. <i>Pharmaceutical Research</i> , 2006 , 23, 835-43	4.5	14
47	²⁶ Al-containing acidic and basic sodium aluminum phosphate preparation and use in studies of oral aluminum bioavailability from foods utilizing ²⁶ Al as an aluminum tracer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 229, 471-478	1.2	8
46	Synchrotron infrared microspectroscopic analysis of collagens I, III, and elastin on the shoulders of human thin-cap fibroatheromas. <i>Vibrational Spectroscopy</i> , 2005 , 38, 53-59	2.1	24
45	Applications of integrated sensing and processing in spectroscopic imaging and sensing. <i>Journal of Chemometrics</i> , 2005 , 19, 533-542	1.6	15
44	Hyperspectral integrated computational imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 868-724	7.4	10
43	In vivo applications of a molecular computing-based high-throughput NIR spectrometer 2004 , 5329, 239		2
42	Near-infrared spectroscopy for the determination of testosterone in thin-film composites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 33, 181-9	3.5	27
41	Near-infrared spectrometry of abdominal aortic aneurysm in the ApoE ^{-/-} mouse. <i>Analytical Chemistry</i> , 2003 , 75, 3650-5	7.8	16
40	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part I. <i>Circulation</i> , 2003 , 108, 1664-72	16.7	1985
39	Theoretical and experimental characterization of a near-field scanning microwave microscope (NSMM). <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 91-99	4.1	14
38	Hyperspectral imaging technology for pharmaceutical analysis 2002 , 4626, 136		13
37	Hyperspectral techniques in analysis of oral dosage forms. <i>Journal of Biomedical Optics</i> , 2002 , 7, 561-70	3.5	14
36	Detection of lipid pool, thin fibrous cap, and inflammatory cells in human aortic atherosclerotic plaques by near-infrared spectroscopy. <i>Circulation</i> , 2002 , 105, 923-7	16.7	254
35	Using the Internet as an analytical instrument. <i>TrAC - Trends in Analytical Chemistry</i> , 2001 , 20, 219-224	14.6	1
34	Near-infrared spectroscopy and imaging for the monitoring of powder blend homogeneity. <i>Journal of Pharmaceutical Sciences</i> , 2001 , 90, 1298-307	3.9	153
33	Corrections to "Erratum: Near-infrared spectroscopy and imaging for the monitoring of powder blend homogeneity". <i>Journal of Pharmaceutical Sciences</i> , 2001 , 90, 1915	3.9	4
32	Multispectral imaging of tablets in blister packaging. <i>AAPS PharmSciTech</i> , 2001 , 2, E9	3.9	15
31	Detection of formaldehyde-induced crosslinking in soft elastic gelatin capsules using near-infrared spectrophotometry. <i>Pharmaceutical Development and Technology</i> , 1998 , 3, 209-14	3.4	17

30	Cardiovascular Near-Infrared Imaging. <i>Journal of Near Infrared Spectroscopy</i> , 1998 , 6, A21-A25	1.5	9
29	Mechanisms contributing to angiotensin II regulation of body weight. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E867-76	6	49
28	Determination of extent of formaldehyde-induced crosslinking in hard gelatin capsules by near-infrared spectrophotometry. <i>Pharmaceutical Research</i> , 1997 , 14, 1046-50	4.5	23
27	Biological and Medical Applications of Near-Infrared Spectrometry. <i>Applied Spectroscopy</i> , 1996 , 50, 18A-34A	3.4	60
26	Determination of moisture in intact gelatin capsules by near-infrared spectrophotometry. <i>Pharmaceutical Research</i> , 1995 , 12, 161-3	4.5	34
25	Optimization of Acoustic-Resonance Spectrometry for Analysis of Intact Tablets and Prediction of Dissolution Rate. <i>Applied Spectroscopy</i> , 1994 , 48, 517-524	3.1	10
24	NIR spectrometric imaging. <i>European Journal of Pharmaceutical Sciences</i> , 1994 , 2, 84	5.1	1
23	Near-IR imaging of atheromas in living arterial tissue. <i>Analytical Chemistry</i> , 1993 , 65, 1247-56	7.8	87
22	Making your BEST case: near-IR spectral identification of soil. <i>Analytical Chemistry</i> , 1993 , 65, 434A-439A	7.8	3
21	Near-infrared spectrophotometric monitoring of stroke-related changes in the protein and lipid composition of whole gerbil brains. <i>Analytical Chemistry</i> , 1993 , 65, 1305-13	7.8	13
20	Near-IR Identification of Woods for Restoration of Historic Buildings and Furniture. <i>Applied Spectroscopy</i> , 1993 , 47, 287-291	3.1	10
19	Determination of Cholesterol Using a Novel Magneto-hydrodynamic Acoustic-Resonance Near-IR (MARNIR) Spectrometer. <i>Applied Spectroscopy</i> , 1993 , 47, 887-890	3.1	6
18	Identification of Wood Species by Acoustic-Resonance Spectrometry Using Multivariate Subpopulation Analysis. <i>Applied Spectroscopy</i> , 1993 , 47, 1880-1886	3.1	9
17	PHARMACEUTICAL APPLICATIONS OF NEAR-INFRARED SPECTROMETRY 1993 , 93-112		9
16	Bacterial monitoring in vials using a spectrophotometric assimilation method. <i>Pharmaceutical Research</i> , 1992 , 9, 357-64	4.5	2
15	Spectrophotometric prediction of the dissolution rate of carbamazepine tablets. <i>Pharmaceutical Research</i> , 1991 , 8, 974-8	4.5	35
14	Advances and Perspectives in Near-Infrared Spectrophotometry. <i>Critical Reviews in Analytical Chemistry</i> , 1991 , 22, 443-475	5.2	34
13	Nondestructive near-infrared analysis of intact tablets for determination of degradation products. <i>Journal of Pharmaceutical Sciences</i> , 1990 , 79, 622-7	3.9	64

12	Near-infrared spectrometry of microorganisms in liquid pharmaceuticals. <i>Analytical Chemistry</i> , 1990 , 62, 2514-21	7.8	6
11	Near-infrared spectroscopic determination of residual moisture in lyophilized sucrose through intact glass vials. <i>Pharmaceutical Research</i> , 1989 , 6, 961-5	4.5	86
10	Assessment of the feasibility of determination of cholesterol and other blood constituents by near-infrared reflectance analysis. <i>Talanta</i> , 1989 , 36, 193-8	6.2	7
9	Applications of cellular automata: attractors and fractals in analytical chemistry?. <i>TrAC - Trends in Analytical Chemistry</i> , 1988 , 7, 240-244	14.6	2
8	Subsurface Image Reconstruction by Near-Infrared Reflectance Analysis. <i>Applied Spectroscopy</i> , 1988 , 42, 309-312	3.1	4
7	A Disposable Liquid Microcell for Near-Infrared Reflectance Analysis. <i>Applied Spectroscopy</i> , 1988 , 42, 518-519	3.1	8
6	Analysis of Intact Tablets by Near-Infrared Reflectance Spectrometry. <i>Applied Spectroscopy</i> , 1988 , 42, 556-558	3.1	36
5	Quantile BEAST Attacks the False-Sample Problem in Near-Infrared Reflectance Analysis. <i>Applied Spectroscopy</i> , 1988 , 42, 1351-1365	3.1	22
4	Detection of Subpopulations in Near-Infrared Reflectance Analysis. <i>Applied Spectroscopy</i> , 1988 , 42, 1500-1512	3.1	24
3	Quantile Analysis: A Method for Characterizing Data Distributions. <i>Applied Spectroscopy</i> , 1988 , 42, 1512-1520	3.1	18
2	Detection of capsule tampering by near-infrared reflectance analysis. <i>Analytical Chemistry</i> , 1987 , 59, 1921-1930	7.8	43
1	FDA Approaches in Monitoring Drug Quality, Forces Impacting the Drug Quality, and Recent Alternative Strategies to Assess Quality in the US Drug Supply. <i>Journal of Pharmaceutical Innovation</i> , 1.8	1.8	0