

Braden C Giordano

List of Publications by Year in descending order

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430874

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#	ARTICLE	IF	CITATIONS
1	Copolymer Reversible Addition-Fragmentation Chain Transfer Synthesis of Polyethylene Glycol (PEG) Functionalized with Hydrophobic Acrylates: A Study of Surface and Foam Properties. <i>Langmuir</i> , 2022, 38, 4547-4554.	3.5	3
2	Detection of N-phenylpropanamide vapor from fentanyl materials by secondary electrospray ionization-ion mobility spectrometry (SESI-IMS). <i>Talanta Open</i> , 2022, 5, 100114.	3.7	3
3	Empirical determination of explosive vapor transport efficiencies. <i>Analyst</i> , 2021, 146, 5124-5134.	3.5	2
4	Combined secondary electrospray and corona discharge ionization (SECDI) for improved detection of explosive vapors using drift tube ion mobility spectrometry. <i>Talanta</i> , 2020, 209, 120544.	5.5	15
5	Trace vapor generator for Explosives and Narcotics (TV-Gen). <i>Review of Scientific Instruments</i> , 2020, 91, 085112.	1.3	6
6	Non-target analysis of vapor mixtures using silicon nanowire array sampling and thermal desorption. <i>Journal of Chromatography A</i> , 2020, 1618, 460938.	3.7	0
7	Flow-Through Optical Chromatography in Combination with Confocal Raman Microspectroscopy: A Novel Label-Free Approach To Detect Responses of Live Macrophages to Environmental Stimuli. <i>ACS Omega</i> , 2019, 4, 12938-12947.	3.5	2
8	Part per quadrillion quantitation of pentaerythritol tetranitrate vapor using online sampling gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1603, 407-411.	3.7	3
9	Silicon nanowire arrays for the preconcentration and separation of trace explosives vapors. <i>Journal of Chromatography A</i> , 2019, 1597, 54-62.	3.7	13
10	Micellar Electrokinetic Chromatography. <i>Methods in Molecular Biology</i> , 2019, 1906, 87-97.	0.9	1
11	Mixed Vapor Generation Device for delivery of homemade explosives vapor plumes. <i>Analytica Chimica Acta</i> , 2018, 1040, 41-48.	5.4	6
12	Trace explosives sensor testbed (TESTbed). <i>Review of Scientific Instruments</i> , 2017, 88, 034104.	1.3	14
13	Silicon nanowire arrays for the preconcentration and Joule heating-based desorption of trace vapors. , 2017, , .		0
14	Preconcentration and partial separation of nitroaromatic vapors using a methyltrimethoxysilane-based sol-gel. <i>Journal of Chromatography A</i> , 2017, 1529, 107-112.	3.7	1
15	Isobutane Made Practical as a Reagent Gas for Chemical Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1789-1795.	2.8	7
16	Trace Explosives Vapor Generation and Quantitation at Parts per Quadrillion Concentrations. <i>Analytical Chemistry</i> , 2016, 88, 3747-3753.	6.5	18
17	Volatile Emissions of Ammonium Nitrate under Flowing Conditions. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 682-687.	1.6	15
18	Minimizing thermal degradation in gas chromatographic quantitation of pentaerythritol tetranitrate. <i>Journal of Chromatography A</i> , 2015, 1394, 154-158.	3.7	12

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19	Continuous flow, explosives vapor generator and sensor chamber. <i>Review of Scientific Instruments</i> , 2014, 85, 054101.	1.3	8
20	Quantitative Detection of Trace Explosive Vapors by Programmed Temperature Desorption Gas Chromatography-Electron Capture Detector. <i>Journal of Visualized Experiments</i> , 2014, , e51938.	0.3	3
21	Dynamic headspace generation and quantitation of triacetone triperoxide vapor. <i>Journal of Chromatography A</i> , 2014, 1331, 38-43.	3.7	17
22	Direct liquid deposition calibration method for trace cyclotrimethylenetrinitramine using thermal desorption instrumentation. <i>Journal of Chromatography A</i> , 2013, 1282, 178-182.	3.7	13
23	On-line sample pre-concentration in microfluidic devices: A review. <i>Analytica Chimica Acta</i> , 2012, 718, 11-24.	5.4	108
24	Characterization of thermal desorption instrumentation with a direct liquid deposition calibration method for trace 2,4,6-trinitrotoluene quantitation. <i>Journal of Chromatography A</i> , 2012, 1227, 10-18.	3.7	13
25	Direct injection of seawater for the analysis of nitroaromatic explosives and their degradation products by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 4487-4493.	3.7	11
26	Partial Least-Squares Predictions of Nonpetroleum-Derived Fuel Content and Resultant Properties When Blended with Petroleum-Derived Fuels. <i>Energy & Fuels</i> , 2009, 23, 894-902.	5.1	27
27	Rapid Fuel Quality Surveillance through Chemometric Modeling of Near-Infrared Spectra. <i>Energy & Fuels</i> , 2009, 23, 1610-1618.	5.1	51
28	Microchip micellar electrokinetic chromatography separation of alkaloids with UV-absorbance spectral detection. <i>Electrophoresis</i> , 2008, 29, 803-810.	2.4	35
29	Electroosmotic Flow-Based Pump for Liquid Chromatography on a Planar Microchip. <i>Analytical Chemistry</i> , 2008, 80, 8287-8292.	6.5	51
30	Synthetic Methods Applied to the Detection of Chemical Warfare Nerve Agents. <i>Current Organic Chemistry</i> , 2007, 11, 255-265.	1.6	39
31	Micelle Stacking in Micellar Electrokinetic Chromatography. <i>Analytical Chemistry</i> , 2007, 79, 6287-6294.	6.5	32
32	Microchip-Based Macroporous Silica Sol-gel Monolith for Efficient Isolation of DNA from Clinical Samples. <i>Analytical Chemistry</i> , 2006, 78, 5704-5710.	6.5	101
33	Aptamer-Based Detection and Quantitative Analysis of Ricin Using Affinity Probe Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2006, 78, 3758-3764.	6.5	63
34	Micellar electrokinetic chromatography and capillary electrochromatography of nitroaromatic explosives in seawater. <i>Electrophoresis</i> , 2006, 27, 778-786.	2.4	33
35	Method for determining intracapillary solution temperatures: Application to sample zone heating for enhanced fluorescent labeling of proteins. <i>Electrophoresis</i> , 2006, 27, 1355-1362.	2.4	6
36	Microchip-based CEC of nitroaromatic and nitramine explosives using silica-based sol-gel stationary phases from methyl- and ethyl-trimethoxysilane precursors. <i>Electrophoresis</i> , 2006, 27, 4295-4302.	2.4	33

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37	Lab on a Chip Sensor Platform for Explosives and CBW Toxin Detection. , 2006, , .		2
38	Microchip Laser-Induced Fluorescence Detection of Proteins at Submicrogram per Milliliter Levels Mediated by Dynamic Labeling under Pseudonative Conditions. Analytical Chemistry, 2004, 76, 4705-4714.	6.5	37
39	Developments toward a complete micro-total analysis system for Duchenne muscular dystrophy diagnosis. Analytica Chimica Acta, 2003, 500, 223-236.	5.4	75
40	Microchip-Based Purification of DNA from Biological Samples. Analytical Chemistry, 2003, 75, 1880-1886.	6.5	331
41	Dynamic Labeling during Capillary or Microchip Electrophoresis for Laser-Induced Fluorescence Detection of Protein-SDS Complexes without Pre- or Postcolumn Labeling. Analytical Chemistry, 2001, 73, 4994-4999.	6.5	73
42	Towards dynamic coating of glass microchip chambers for amplifying DNA via the polymerase chain reaction. Electrophoresis, 2001, 22, 334-340.	2.4	97
43	Toward Effective PCR-Based Amplification of DNA on Microfabricated Chips. , 2001, 163, 191-204.		2
44	Dynamically-coated capillaries allow for capillary electrophoretic resolution of transferrin sialoforms via direct analysis of human serum. Biomedical Applications, 2000, 742, 79-89.	1.7	46
45	Particle generation of low vapor pressure analytes for an on-demand aerosol standard. Aerosol Science and Technology, 0, , 1-12.	3.1	0