

Bernard James Treves Brown

List of Publications by Year in descending order

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36
papers

675
citations

687363

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580821

25
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36
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docs citations

36
times ranked

623
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Metal Clad Leaky Waveguide Sensor for Detection of Bacteria. <i>Analytical Chemistry</i> , 2005, 77, 232-242.	6.5	68
2	Bacteria detection using disposable optical leaky waveguide sensors. <i>Biosensors and Bioelectronics</i> , 2005, 21, 293-302.	10.1	59
3	Determination of metal cations on miniaturised planar polymeric separation devices using isotachopheresis with integrated conductivity detection. <i>Analyst, The</i> , 2001, 126, 433-437.	3.5	48
4	Bidirectional isotachopheresis on a planar chip with integrated conductivity detection. <i>Analyst, The</i> , 2002, 127, 1413-1419.	3.5	46
5	Single electrode conductivity detection for electrophoretic separation systems. <i>Journal of Chromatography A</i> , 1999, 836, 59-65.	3.7	45
6	Miniaturised isotachopheretic analysis of inorganic arsenic speciation using a planar polymer chip with integrated conductivity detection. <i>Journal of Chromatography A</i> , 2003, 990, 325-334.	3.7	44
7	Optical Leaky Waveguide Sensor for Detection of Bacteria with Ultrasound Attractor Force. <i>Analytical Chemistry</i> , 2005, 77, 6163-6168.	6.5	43
8	An integrated optical leaky waveguide sensor with electrically induced concentration system for the detection of bacteria. <i>Lab on A Chip</i> , 2005, 5, 1360.	6.0	40
9	Determination of inorganic selenium species by miniaturised isotachopheresis on a planar polymer chip. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 78-84.	3.7	28
10	Miniaturised free flow isotachopheresis of bacteria using an injection moulded separation device. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 903, 53-59.	2.3	19
11	Determination of chlorine containing species in explosive residues using chip-based isotachopheresis. <i>Journal of Chromatography A</i> , 2008, 1195, 157-163.	3.7	17
12	Novel microsystems for concentration gradient generation through computer optimization with validation using optical instrumentation. <i>Microelectronic Engineering</i> , 2008, 85, 1265-1268.	2.4	16
13	Optimisation and analysis of microreactor designs for microfluidic gradient generation using a purpose built optical detection system for entire chip imaging. <i>Lab on A Chip</i> , 2009, 9, 1882.	6.0	16
14	Analysis of amino acids by miniaturised isotachopheresis. <i>Journal of Chromatography A</i> , 2004, 1051, 221-226.	3.7	15
15	Inorganic Arsenic and Selenium Determination Using Miniaturised Isotachopheresis. <i>Mikrochimica Acta</i> , 2005, 151, 223-230.	5.0	14
16	Free flow isotachopheresis in an injection moulded miniaturised separation chamber with integrated electrodes. <i>Journal of Chromatography A</i> , 2007, 1155, 199-205.	3.7	14
17	Analysis of chloride, bromide and iodide using miniaturised isotachopheresis on a planar polymer chip. <i>Analyst, The</i> , 2005, 130, 1375.	3.5	13
18	Determination of the ascorbate content of photographic developer solutions using miniaturised isotachopheresis on a planar chip. <i>Analyst, The</i> , 2003, 128, 1131.	3.5	12

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19	Thiocyanate and nitrite analysis using miniaturised isotachophoresis on a planar polymer chip. <i>Analyst</i> , 2011, 136, 3170.	3.5	12
20	Water toxicity monitoring using <i>Vibrio fischeri</i> : a method free of interferences from colour and turbidity. <i>Journal of Environmental Monitoring</i> , 2004, 6, 97.	2.1	10
21	Rapid chloride analysis using miniaturised isotachophoresis. <i>Journal of Chromatography A</i> , 2006, 1119, 183-187.	3.7	10
22	Systematic linearisation of a microfluidic gradient network with unequal solution inlet viscosities demonstrated using glycerol. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 587-598.	2.2	10
23	Miniaturised isotachophoresis of DNA. <i>Journal of Chromatography A</i> , 2007, 1156, 154-159.	3.7	9
24	Scaling-up ultrasound standing wave enhanced sedimentation filters. <i>Ultrasonics</i> , 2015, 56, 260-270.	3.9	9
25	Isotachophoresis on Planar Polymeric Substrates. , 1998, , 359-362.		9
26	A capacitively coupled conductivity detector for electroseparations. <i>Measurement Science and Technology</i> , 2000, 11, 244-251.	2.6	8
27	On-line kinetic measurement of water toxicity using the photobacterium <i>Vibrio fischeri</i> . <i>Analytical Communications</i> , 1996, 33, 335.	2.2	7
28	Determination of the potassium content of explosive residues using miniaturised isotachophoresis. <i>Electrophoresis</i> , 2010, 31, 3775-3782.	2.4	7
29	Determination of gaseous sulphur dioxide by capillary isotachophoresis. <i>Journal of Chromatography A</i> , 1999, 836, 107-114.	3.7	5
30	Isotachophoretic analysis using injection-moulded polystyrene chip devices. <i>Measurement Science and Technology</i> , 2008, 19, 065801.	2.6	5
31	A miniaturised isotachophoresis method for magnesium determination. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1299-1305.	3.7	5
32	Optical imaging and analytical modelling of the dynamic concentration gradient of viscous inlet solutions in a microfabricated network design. <i>Microelectronic Engineering</i> , 2009, 86, 1361-1364.	2.4	5
33	A microfluidic device for self-synchronised production of droplets. <i>Lab on A Chip</i> , 2011, 11, 4052.	6.0	4
34	Toward a Microfluidic-Based Rapid Amylase Assay System. <i>Journal of Food Science</i> , 2009, 74, N37-43.	3.1	2
35	<title>Micromolded polymer electrokinetic separation systems with variable volume sampling and integrated optical and conductivity detection</title>. , 2002, 4626, 429.		1
36	<title>Miniaturized isotachophoresis in single-use integrated polymer substrates</title>. , 2001, , .		0