Graham A Ferrier

List of Publications by Year
in descending order

12 papers	333 citations	1307594 7 h-index	1588992 8 g-index
12 all docs	12 docs citations	12 times ranked	371 citing authors

#	Article	IF	Citations
1	A microwave interferometric system for simultaneous actuation and detection of single biological cells. Lab on A Chip, 2009, 9, 3406.	6.0	98
2	Strain measurement in a concrete beam by use of the Brillouin-scattering-based distributed fiber sensor with single-mode fibers embedded in glass fiber reinforced polymer rods and bonded to steel reinforcing bars. Applied Optics, 2002, 41, 5105.	2.1	49
3	Distributed Brillouin scattering sensor for discrimination of wall-thinning defects in steel pipe under internal pressure. Applied Optics, 2004, 43, 1583.	2.1	49
4	Effect of the finite extinction ratio of an electro-optic modulator on the performance of distributed probe-pump Brillouin sensorsystems. Optics Letters, 2003, 28, 1418.	3.3	46
5	Quantification of the specific membrane capacitance of single cells using a microfluidic device and impedance spectroscopy measurement. Biomicrofluidics, 2012, 6, 34112.	2.4	43
6	Electronic detection of dielectrophoretic forces exerted on particles flowing over interdigitated electrodes. Biomicrofluidics, 2012, 6, 024117.	2.4	21
7	A new fitting method for spectral characterization of Brillouin-based distributed sensors. , 2003, , .		11
8	Development of laser welded appendages to Zircaloy-4 fuel tubing (sheath/cladding). Nuclear Engineering and Design, 2015, 284, 97-105.	1.7	9
9	Dielectric response of particles in flowing media: The effect of shear-induced rotation on the variation in particle polarizability. Physical Review E, 2011, 84, 011922.	2.1	3
10	Impact of EOM extinction ratio on the Brillouin frequency measurement of distributed fiber optic sensors. , 2003, 5260, 519.		2
11	Column structure deformation monitoring with the distributed Brillouin sensor. , 2005, 5855, 531.		1
12	All-electronic detection and actuation of single biological cells for lab-on-a-chip applications. , 2008, , .		1