John L Parker

List of Publications by Year
in descending order

29 papers	1,537 citations	430874 18 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	883 citing authors

#	Article	IF	Citations
1	Deformation and adhesion of elastic bodies in contact. Physical Review A, 1992, 46, 7959-7971.	2.5	183
2	Surfaces Forces between Silica Surfaces in Cationic Surfactant Solutions: Adsorption and Bilayer Formation at Normal and High pH. Langmuir, 1994, 10, 1110-1121.	3.5	135
3	Effect of divalent electrolyte on the hydrophobic attraction. The Journal of Physical Chemistry, 1990, 94, 8004-8006.	2.9	123
4	Plasma modification of mica: forces between fluorocarbon surfaces in water and a nonpolar liquid. The Journal of Physical Chemistry, 1989, 93, 6121-6125.	2.9	109
5	Compound action potentials recorded in the human spinal cord during neurostimulation for pain relief. Pain, 2012, 153, 593-601.	4.2	103
6	Surface force measurements in surfactant systems. Progress in Surface Science, 1994, 47, 205-271.	8.3	99
7	Surface forces between glass surfaces in cetyltrimethylammonium bromide solutions. The Journal of Physical Chemistry, 1993, 97, 7706-7710.	2.9	91
8	Forces between Hydrophobic Silanated Glass Surfaces. Langmuir, 1994, 10, 635-639.	3.5	89
9	Hydrophobic attraction: a reexamination of electrolyte effects. The Journal of Physical Chemistry, 1992, 96, 6725-6728.	2.9	76
10	A novel method for measuring the force between two surfaces in a surface force apparatus. Langmuir, 1992, 8, 551-556.	3.5	70
11	Measurements of the forces between a metal surface and mica across liquids. Journal of Chemical Physics, 1988, 88, 8013-8014.	3.0	68
12	Oscillatory solvation forces: a comparison of theory and experiment. The Journal of Physical Chemistry, 1992, 96, 5086-5093.	2.9	65
13	Electrically evoked compound action potential recording in peripheral nerves. Bioelectronics in Medicine, 2018, 1, 71-83.	2.0	54
14	Electrically Evoked Compound Action Potentials Recorded From the Sheep Spinal Cord. Neuromodulation, 2013, 16, 295-303.	0.8	53
15	Plasma modification of mica. Journal of Colloid and Interface Science, 1990, 134, 449-458.	9.4	44
16	Forces between bilayers containing charged glycolipids. Journal of Colloid and Interface Science, 1990, 137, 571-576.	9.4	27
17	A new biomarker for subthalamic deep brain stimulation for patients with advanced Parkinsonâ€™s diseaseâ€”a pilot study. Journal of Neural Engineering, 2015, 12, 066013.	3.5	24
18	Forces between bilayers of a cationic surfactant with hydroxylated headgroups: effects of interbilayer adhesion on the interactions. The Journal of Physical Chemistry, 1988, 92, 4155-4159.	2.9	23

#	Article	IF	Citations
19	Evoked Compound Action Potentials Reveal Spinal Cord Dorsal Column Neuroanatomy. Neuromodulation, 2020, 23, 82-95.	0.8	22
20	Comment on "Interactions between hydrophobic surfaces. Dependence on temperature and alkyl chain length". Langmuir, 1992, 8, 2080-2080.	3.5	17
21	Time-dependent adhesion between glass surfaces in dilute surfactant solutions. Langmuir, 1993, 9, 1965-1967.	3.5	17
22	The Effect of Spinal Cord Stimulation Frequency on the Neural Response and Perceived Sensation in Patients With Chronic Pain. Frontiers in Neuroscience, 2021, 15, 625835.	2.8	12
23	Spinal Cord Stimulation. , 2018, , 161-178.		9
24	A model of evoked potentials in spinal cord stimulation. , 2013, 2013, 6555-8.		7
25	Electrophysiological Responses in the Human S3 Nerve During Sacral Neuromodulation for Fecal Incontinence. Frontiers in Neuroscience, 2021, 15, 712168.	2.8	5
26	A Prospective Multicenter Case Series Utilizing Intraoperative Neuromonitoring With Evoked Compound Action Potentials to Confirm Spinal Cord Stimulation Lead Placement. Neuromodulation, 2022, 25, 724-730.	0.8	5
27	A new biomarker for closed-loop deep brain stimulation in the subthalamic nucleus for patients with Parkinson's disease. , 2014, , .		3
28	Comparison of a simple model of dorsal column axons with the electrically evoked compound action potential. Bioelectronics in Medicine, 2018, 1, 117-130.	2.0	3
29	Implanted Sensors in Neuromodulation via Electrical Stimulation. , 2018, , 451-463.		1