

# Terry C Chilcott

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

687  
citations

686830

13  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance spectroscopy of interfaces, membranes and ultrastructures. <i>Bioelectrochemistry</i> , 1996, 40, 79-98.	1.0	180
2	Structural Characterization of Organic Multilayers on Silicon(111) Formed by Immobilization of Molecular Films on Functionalized Si <sup>3</sup> C Linked Monolayers. <i>Langmuir</i> , 2004, 20, 9227-9235.	1.6	101
3	Effects of singlet oxygen on membrane sterols in the yeast <i>Saccharomyces cerevisiae</i> . <i>FEBS Journal</i> , 2000, 267, 1607-1618.	0.2	79
4	In situ structural and functional characterization of reverse osmosis membranes using electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2013, 425-426, 89-97.	4.1	72
5	Differential effects of cholesterol and oxidised-cholesterol in egg lecithin bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1368, 247-255.	1.4	58
6	Immobilization of dendrimers on Si <sup>3</sup> C linked carboxylic acid-terminated monolayers on silicon(111). <i>Thin Solid Films</i> , 2006, 515, 1857-1863.	0.8	27
7	Characterising nanostructure functionality of a cellulose triacetate forward osmosis membrane using electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2014, 467, 292-302.	4.1	18
8	Ionic double layer of atomically flat gold formed on mica templates. <i>Electrochimica Acta</i> , 2009, 54, 3766-3774.	2.6	17
9	Characterisation of mesoporous polymer films deposited using lyotropic liquid crystal templating. <i>Electrochimica Acta</i> , 2007, 52, 2640-2648.	2.6	16
10	Characterisation of alkyl-functionalised Si(111) using reflectometry and AC impedance spectroscopy. <i>Surface Science</i> , 2007, 601, 5740-5743.	0.8	15
11	Anomalous electrical behaviour of single-crystal glycine near room temperature. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 1695-1701.	0.6	14
12	Characterization of the substructure and properties of immobilized peptides on silicon surface. <i>Materials Chemistry and Physics</i> , 2011, 126, 955-961.	2.0	14
13	In situ characterization of compaction, ionic barrier and hydrodynamics of polyamide reverse osmosis membranes using electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2015, 477, 25-40.	4.1	14
14	In situ electrical impedance characterization of fouling by calcium agents in reverse osmosis membrane systems using Maxwell Wagner and hydrodynamic models. <i>Desalination</i> , 2017, 403, 64-79.	4.0	14
15	Electric field effects in proteins in membranes. <i>Bioelectrochemistry</i> , 2002, 56, 141-146.	2.4	9
16	Electrical Impedance Tomography Study of Biological Processes in a Single Cell. <i>Annals of the New York Academy of Sciences</i> , 1999, 873, 269-286.	1.8	8
17	In situ characterization of fouling in reverse osmosis membranes using electrical impedance spectroscopy. <i>Journal of Physics: Conference Series</i> , 2013, 434, 012089.	0.3	7
18	Characterization of the dielectric properties of covalently attached organic films on silicon surfaces. <i>Thin Solid Films</i> , 2011, 519, 6472-6479.	0.8	6

#	ARTICLE	IF	CITATIONS
19	ELECTRICAL IMPEDANCE SPECTROSCOPY CHARACTERIZATIONS OF ALKYL-FUNCTIONALIZED SILICON(111). Biophysical Reviews and Letters, 2006, 01, 301-307.	0.9	5
20	Origin of resonant electrical impedances in membranes induced by osmosis: Analytical solutions of the AC Nernst-Planck, Poisson and continuity equations as functions of water velocity. Journal of Membrane Science, 2013, 438, 65-76.	4.1	5
21	Characterizing Moisture Content and Gradients in Pinus radiata Soft Wood Using Electrical Impedance Spectroscopy. Drying Technology, 2010, 29, 1-9.	1.7	3
22	Impedance and dielectric characterizations of ionic partitioning in interfaces that membranous, biomimetic and gold surfaces form with electrolytes. Electrochimica Acta, 2013, 98, 274-287.	2.6	3
23	ORGANIC-SILICON INTERFACE. Biophysical Reviews and Letters, 2007, 02, 191-205.	0.9	2
24	Ultra-Sensitive Techniques To Probe Structural Changes With Atomic Resolution. , 2006, , .		0
25	Extensive ionic partitioning in interfaces that membranous and biomimetic surfaces form with electrolytes: Antitheses of the gold-electrolyte interface. Journal of Physics: Conference Series, 2013, 434, 012022.	0.3	0