Keld West

List of Publications by Year in Descending Order

90 papers	4,616 citations	35 h-index	66 g-index
90 ext. papers	4,842 ext. citations	5.3 avg, IF	5.28 L-index

#	Paper	IF	Citations
90	New junction materials by the direct growth of ZnO NWs on organic semiconductors. *RSC Advances*, **2015**, 5, 7932-7937	3.7	1
89	Order–disorder transitions in poly(3,4-ethylenedioxythiophene). *Polymer*, **2008**, 49, 481-487	3.9	64
88	Application of polyacrylonitrile-based polymer electrolytes in rechargeable lithium batteries. *Journal of Solid State Electrochemistry*, **2008**, 12, 873-877	2.6	19
87	Hydrolysis and stability of thin pulsed plasma polymerised maleic anhydride coatings. *Applied Surface Science*, **2008**, 254, 4720-4725	6.7	22
86	Highly Stretchable and Conductive Polymer Material Made from Poly(3,4-ethylenedioxythiophene) and Polyurethane Elastomers. *Advanced Functional Materials*, **2007**, 17, 3069-3073	15.6	152
85	Direct Fast Patterning of Conductive Polymers Using Agarose Stamping. *Advanced Materials*, **2007**, 19, 3261-3265	24	37
84	High current density and drift velocity in templated conducting polymers. *Organic Electronics*, **2007**, 8, 796-800	3.5	20
83	Quasi-solid-state dye-sensitized solar cells: Pt and PEDOT:PSS counter electrodes applied to gel electrolyte assemblies. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 187, 395-401	4.7	90
82	An all-polymer micropump based on the conductive polymer poly (3,4-ethylenedioxythiophene) and a polyurethane channel system. *Journal of Micromechanics and Microengineering*, **2007**, 17, 860-866	2	19
81	Polypyrrole actuators working at 2–10Hz. *Synthetic Metals*, **2007**, 157, 323-326	3.6	16
80	A voltammetry study on the diffusion of counter ions in polypyrrole films. *Journal of Power Sources*, **2006**, 159, 210-214	8.9	35
79	Synthesis of Chiral Polyaniline Films via Chemical Vapor Phase Polymerization. *Electrochemical and Solid-State Letters*, **2006**, 9, C9		21
78	Integration of conducting polymer network in non-conductive polymer substrates. *Synthetic Metals*, **2006**, 156, 1203-1207	3.6	21
77	Stability of highly conductive poly-3,4-ethylene-dioxythiophene. *Reactive and Functional Polymers*, **2006**, 66, 479-483	4.6	54
76	Electrochemical reaction rates in a dye-sensitised solar cell—the iodide/tri-iodide redox system. *Solar Energy Materials and Solar Cells*, **2006**, 90, 341-351	6.4	139
75	Optimizations of large area quasi-solid-state dye-sensitized solar cells. *Solar Energy Materials and Solar Cells*, **2006**, 90, 2575-2588	6.4	100
74	Interpenetrating networks of two conducting polymers. *Synthetic Metals*, **2005**, 148, 105-109	3.6	15

73	Base inhibited oxidative polymerization of 3,4-ethylenedioxythiophene with iron(III)tosylate. *Synthetic Metals*, **2005**, 152, 1-4	3.6	133
72	An equivalent circuit approach to the modelling of the dynamics of dye sensitized solar cells. *Solar Energy Materials and Solar Cells*, **2005**, 87, 613-628	6.4	33
71	Stuffed conducting polymers. *Polymer*, **2005**, 46, 4664-4669	3.9	27
70	Characterization of Plasma-Polymerized Fused Polycyclic Compounds for Binding Conducting Polymers. *Plasma Processes and Polymers*, **2005**, 2, 319-327	3.4	14
69	Dependence of force produced by polypyrrole-based artificial muscles on ionic species involved. *Solid State Ionics*, **2004**, 175, 725-728	3.3	25
68	Vapor Phase Polymerization of Pyrrole and Thiophene Using Iron(III) Sulfonates as Oxidizing Agents. *Macromolecules*, **2004**, 37, 5930-5935	5.5	158
67	Vapor-Phase Polymerization of 3,4-Ethylenedioxythiophene: A Route to Highly Conducting Polymer Surface Layers. *Macromolecules*, **2004**, 37, 4538-4543	5.5	341
66	Electronic Conductivity of Polypyrrole Dodecyl Benzene Sulfonate Complexes. *Journal of Physical Chemistry B*, **2004**, 108, 15001-15008	3.4	15
65	Polypyrrole actuators for tremor suppression **2003**,		6
64	A Conducting Polymer Artificial Muscle with 12 % Linear Strain. *Advanced Materials*, **2003**, 15, 310-313	24	178
63	Simultaneous anion and cation mobility in polypyrrole. *Solid State Ionics*, **2003**, 159, 143-147	3.3	60
62	Ion conductive electrolyte membranes based on co-continuous polymer blends. *Journal of Materials Chemistry*, **2003**, 13, 2168-2176		25
61	Pentanol as co-surfactant in polypyrrole actuators. *Polymer*, **2002**, 43, 3527-3532	3.9	33
60	Ion movement in polypyrrole/dodecylbenzenesulphonate films in aqueous and non-aqueous electrolytes. *Solid State Ionics*, **2002**, 154-155, 331-335	3.3	50
59	Polypyrrole Doped with Alkyl Benzenesulfonates. *Macromolecules*, **2002**, 35, 9345-9351	5.5	69
58	Potential profile in a conducting polymer strip **2001**,		5
57	New polymer lithium secondary batteries based on ORMOCER electrolytes Inorganic Organic polymers. *Electrochimica Acta*, **2001**, 46, 1499-1508	6.7	22
56	Mechanism of Actuation in Conducting Polymers: Osmotic Expansion. *Journal of Physical Chemistry B*, **2001**, 105, 8492-8497	3.4	205

55	Synthesis and host properties of tetragonal Li2Mn2O4 and Li2Co0.4Mn1.6O4. *Electrochimica Acta*, **2000**, 45, 3141-3149	6.7	14
54	Determination of ionic carriers in polypyrrole. *Solid State Ionics*, **2000**, 136-137, 577-582	3.3	27
53	The influence of preparation conditions on the electrical conductivity of poly-N-methylpyrrole films. *Solid State Ionics*, **1999**, 123, 287-292	3.3	10
52	Towards solid state lithium batteries based on ORMOCER electrolytes. *Electrochimica Acta*, **1998**, 43, 1589-1592	6.7	45
51	Mechanochemical Synthesis of Fe Materials. *Journal of Solid State Chemistry*, **1998**, 138, 114-125	3.3	54
50	Lithium Intercalation into Layered LiMnO2. *Journal of the Electrochemical Society*, **1997**, 144, 2587-2592	3.9	134
49	Li1NaxV3O8 as positive materials for secondary lithium batteries. *Journal of Applied Electrochemistry*, **1997**, 27, 953-958	2.6	20
48	All oxide solid-state lithium-ion cells. *Journal of Power Sources*, **1997**, 68, 412-415	8.9	80
47	Comparison of LiV3 O 8 Cathode Materials Prepared by Different Methods. *Journal of the Electrochemical Society*, **1996**, 143, 820-825	3.9	139
46	Sol-gel synthesis of the lithium-ion conducting perovskite La0.57Li0.3TiO3 effect of synthesis and thermal treatments on the structure and conducting properties. *Ionics*, **1996**, 2, 442-445	2.7	11
45	Lithium insertion in LixMn2O4, 0 Solid State Ionics, **1996**, 83, 151-157	3.3	14
44	Enhanced ionic conductivity of poly(ethylene imine) phosphate. *Solid State Ionics*, **1996**, 85, 37-42	3.3	20
43	The influence of polymerization rate on conductivity and crystallinity of electropolymerized polypyrrole. *Polymer*, **1996**, 37, 2609-2613	3.9	27
42	Lithium insertion into silver vanadium oxide, Ag2V4O11. *Journal of Power Sources*, **1995**, 54, 334-337	8.9	43
41	Kinetics and thermodynamics of the lithium insertion reaction in spinel phase LixMn2O4. *Journal of Power Sources*, **1995**, 54, 475-478	8.9	36
40	Lithium insertion into vanadium pentoxide bronzes. *Solid State Ionics*, **1995**, 76, 15-21	3.3	55
39	Diffusion impedance in planar, cylindrical and spherical symmetry. *Electrochimica Acta*, **1995**, 40, 255-262	6.7	224
38	Electrolyte and ion memory effects in highly conjugated polypyrrole. *Solid State Ionics*, **1994**, 72, 108-114	3.3	10

37	Insertion of lithium into the manganese dioxides: pyrolusite and ramsdellite. *Solid State Ionics*, **1994**, 70-71, 401-406	3.3	16
36	Polyaniline: Influence of Polymerization Current Density. *Materials Research Society Symposia Proceedings*, **1994**, 369, 565		1
35	Electrochemical synthesis of polypyrrole: Influence of current density on structure. *Synthetic Metals*, **1993**, 55, 1412-1417	3.6	28
34	Vanadium oxide xerogels as electrodes for lithium batteries. *Electrochimica Acta*, **1993**, 38, 1215-1220	6.7	104
33	An impedance study of the doping of polypyrrole in LiClO4/PC. *Solid State Ionics*, **1993**, 60, 153-159	3.3	13
32	Thin-film vanadium oxide electrodes for lithium batteries. *Journal of Power Sources*, **1993**, 43, 127-134	8.9	33
31	Discharge performance of composite insertion electrodes Analysis of discharges of 50 vol.% Li3N/TiS2 electrodes. *Journal of Power Sources*, **1993**, 44, 733-741	8.9	10
30	In situ optical spectroscopy of electrochemical doping of polypyrrole. *Synthetic Metals*, **1992**, 51, 267-275	3.6	12
29	Lithium insertion in sputtered vanadium oxide film?. *Solid State Ionics*, **1992**, 57, 41-47	3.3	33
28	Lithium intercalation into mixed vanadium-molybdenum oxides. *Solid State Ionics*, **1992**, 53-56, 356-363	3.3	14
27	Lithium insertion in isomorphous MO2(B) structures. *Solid State Ionics*, **1992**, 53-56, 364-369	3.3	30
26	Electrochemical characterization of conducting polymers: polypyrrole. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1992**, 13, 229-233	3.1	15
25	Lithium insertion in oxide spinels. *Solid State Ionics*, **1990**, 40-41, 580-584	3.3	20
24	Layered potassium vanadium oxides as host materials for lithium and sodium insertion. *Solid State Ionics*, **1990**, 40-41, 585-588	3.3	17
23	Mixed phase solid electrolytes with nonconducting polymer binder. *Solid State Ionics*, **1990**, 40-41, 1021-1024	3.3	20
22	Li insertion in CuyTiS2 spinels. *Electrochimica Acta*, **1989**, 34, 1473-1477	6.7	5
21	The kinetics of porous insertion electrodes. *Journal of Power Sources*, **1989**, 26, 139-159	8.9	10
20	Solid-state sodium cells An alternative to lithium cells?. *Journal of Power Sources*, **1989**, 26, 341-345	8.9	16

19	Lithium and sodium insertion in ternary chromium oxides. *Solid State Ionics*, **1988**, 28-30, 868-872	3.3	8
18	Mixed phase solid electrolytes. *Solid State Ionics*, **1988**, 28-30, 975-978	3.3	70
17	Sodium insertion in vanadium oxides. *Solid State Ionics*, **1988**, 28-30, 1128-1131	3.3	57
16	Lithium insertion in different TiO2 modifications. *Solid State Ionics*, **1988**, 28-30, 1176-1182	3.3	197
15	Poly(ethylene oxide)-sodium perchlorate electrolytes in solid-state sodium cells. *British Polymer Journal*, **1988**, 20, 243-246		35
14	Vanadium oxides as electrode materials for rechargeable lithium cells. *Journal of Power Sources*, **1987**, 20, 165-172	8.9	81
13	V6O13 As cathode material for lithium cells. *Journal of Power Sources*, **1985**, 14, 235-245	8.9	62
12	Lithium insertion into VO2(B). *Materials Research Bulletin*, **1985**, 20, 485-492	5.1	28
11	AC impedance studies on Li insertion in V6O13 single crystals. *Electrochimica Acta*, **1985**, 30, 1205-1208	6.7	5
10	A Rechargeable All-Solid-State Sodium Cell with Polymer Electrolyte. *Journal of the Electrochemical Society*, **1985**, 132, 3061-3062	3.9	33
9	The Composite Insertion Electrode: Theoretical Part. Equilibrium in the Insertion Compound and Linear Potential Dependence. *Journal of the Electrochemical Society*, **1984**, 131, 1200-1207	3.9	42
8	Electrochemical properties of non-stoichiometric V6O13. *Electrochimica Acta*, **1983**, 28, 1829-1833	6.7	64
7	Lithium insertion in □LixV2O5 at ambient temperature. *Solid State Ionics*, **1983**, 9-10, 399-404	3.3	22
6	Determination of the differential capacity of intercalation electrode materials by slow potential scans. *Electrochimica Acta*, **1983**, 28, 97-107	6.7	48
5	Discussion of □Electrochemical Investigations of Alkali-Metal Intercalation Reactions in TiS2: Chronoamperometric Determination of Mass and Charge Transport Properties of Liquid Electrolyte Systems□[Anthony Vaccaro, T. Palanisamy, R. L. Kerr, and J. T. Maloy (pp. 682□688, Vol. 129, No. 4)]. *Journal of the Electrochemical Society*, **1982**, 129, 2875-2877	3.9	7
4	Modeling of Porous Insertion Electrodes with Liquid Electrolyte. *Journal of the Electrochemical Society*, **1982**, 129, 1480-1485	3.9	75
3	Electrostatic interactions during the intercalation of Li in Lix TiS2. *Electrochimica Acta*, **1982**, 27, 1007-1011	6.7	16
2	Dynamic Aspects of Solid Solution Cathodes for Electrochemical Power Sources. *Journal of the Electrochemical Society*, **1979**, 126, 1311-1321	3.9	161

1	Discussion of Electrochemical Potential Spectroscopy: A New Electrochemical Measurement[A. H. Thompson (pp. 608-616, Vol. 126, No. 4)]. *Journal of the Electrochemical Society*, **1979**, 126, 2169-2170	3.9	21