

# Paulo R Bueno

## List of Publications by Citations

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194  
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201  
ext. papers

6,722  
ext. citations

5.1  
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6.04  
L-index

#	Paper	IF	Citations
194	A new SnO <sub>2</sub> -based varistor system. <i>Journal of Materials Science Letters</i> , <b>1995</b> , 14, 692		235
193	SnO <sub>2</sub> , ZnO and related polycrystalline compound semiconductors: An overview and review on the voltage-dependent resistance (non-ohmic) feature. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 505-529	6	221
192	Theoretical models for ac impedance of finite diffusion layers exhibiting low frequency dispersion. <i>Journal of Electroanalytical Chemistry</i> , <b>1999</b> , 475, 152-163	4.1	199
191	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. <i>Materials Letters</i> , <b>2008</b> , 62, 4509-4511	3.3	172
190	An optimised electrochemical biosensor for the label-free detection of C-reactive protein in blood. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 39, 94-8	11.8	161
189	Role of oxygen at the grain boundary of metal oxide varistors: A potential barrier formation mechanism. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 48-50	3.4	144
188	Investigation of the electrical properties of SnO <sub>2</sub> varistor system using impedance spectroscopy. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 3700-3705	2.5	141
187	Surface Passivation of Nanoporous TiO <sub>2</sub> via Atomic Layer Deposition of ZrO <sub>2</sub> for Solid-State Dye-Sensitized Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18385-18390	3.8	137
186	Reaction Pathway to the Synthesis of Anatase via the Chemical Modification of Titanium Isopropoxide with Acetic Acid. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 143-150	9.6	123
185	A polaronic stacking fault defect model for CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> material: an approach for the origin of the huge dielectric constant and semiconducting coexistent features. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 055404	3	119
184	Effect of Bi <sub>2</sub> O <sub>3</sub> addition on the microstructure and electrical properties of the SnO <sub>2</sub> .CoO.Nb <sub>2</sub> O <sub>5</sub> varistor system. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 634-638		109
183	Microstructure and electric properties of a SnO <sub>2</sub> based varistor. <i>Ceramics International</i> , <b>1999</b> , 25, 1-6	5.1	91
182	Nature of the Schottky-type barrier of highly dense SnO <sub>2</sub> systems displaying nonohmic behavior. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 6545-6548	2.5	90
181	Synthesis and characterization of mesoporous TiO <sub>2</sub> nanostructured films prepared by a modified sol-gel method for application in dye solar cells. <i>Ceramics International</i> , <b>2011</b> , 37, 1017-1024	5.1	87
180	Non-Ohmic and dielectric properties of a Ca <sub>2</sub> Cu <sub>2</sub> Ti <sub>4</sub> O <sub>12</sub> polycrystalline system. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 212102	3.4	87
179	Nanostructured Li Ion Insertion Electrodes. 1. Discussion on Fast Transport and Short Path for Ion Diffusion. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8868-8877	3.4	86
178	Effect of oxidizing and reducing atmospheres on the electrical properties of dense SnO <sub>2</sub> -based varistors. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 161-167	6	75

177	Preparation of CeO <sub>2</sub> by a simple microwave-hydrothermal method. <i>Solid State Ionics</i> , <b>2009</b> , 180, 288-291	3.3	71
176	Capacitance spectroscopy: a versatile approach to resolving the redox density of states and kinetics in redox-active self-assembled monolayers. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 8822-9	3.4	70
175	The influence of sintering process and atmosphere on the non-ohmic properties of SnO <sub>2</sub> based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1999</b> , 10, 321-327	2.1	69
174	A dielectric model of self-assembled monolayer interfaces by capacitive spectroscopy. <i>Langmuir</i> , <b>2012</b> , 28, 9689-99	4	68
173	Comparing label free electrochemical impedimetric and capacitive biosensing architectures. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 57, 96-102	11.8	67
172	The capacitive sensing of NS1 Flavivirus biomarker. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 949-956	11.8	65
171	Label free redox capacitive biosensing. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 50, 437-40	11.8	64
170	Impedance Spectroscopy Analysis of the Effect of TiO <sub>2</sub> Blocking Layers on the Efficiency of Dye Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 12415-12421	3.8	64
169	Sensitive affimer and antibody based impedimetric label-free assays for C-reactive protein. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6553-60	7.8	60
168	An impedimetric biosensor to test neat serum for dengue diagnosis. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 150-154	8.5	59
167	Electrical properties of the SnO <sub>2</sub> -based varistor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1998</b> , 9, 159-165	2.1	59
166	Dye-sensitized solar cell architecture based on indium oxide nanowires coated with titanium dioxide. <i>Scripta Materialia</i> , <b>2007</b> , 57, 277-280	5.6	59
165	Dielectric spectroscopy analysis of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> polycrystalline systems. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 191117	3.4	56
164	Label-free capacitive diagnostics: exploiting local redox probe state occupancy. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2559-64	7.8	55
163	Elucidating capacitance and resistance terms in confined electroactive molecular layers. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 411-7	7.8	54
162	Nanoscale effects and polaronic relaxation in CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> compounds. <i>Solid State Communications</i> , <b>2011</b> , 151, 173-176	1.6	52
161	Analysis of the admittance-frequency and capacitance-voltage of dense SnO <sub>2</sub> ?CoO-based varistor ceramics. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 6007-6014	2.5	52
160	Evaluation of the effect of the stoichiometric ratio of Ca/Cu on the electrical and microstructural properties of the CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> polycrystalline system. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 185503	3	50

159	Measuring quantum capacitance in energetically addressable molecular layers. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1337-41	7.8	49
158	Sol-gel synthesis of mesoporous CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films and their gas sensing response. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1209-1214	3.3	48
157	Sintering and mass transport features of (Sn,Ti)O <sub>2</sub> polycrystalline ceramics. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 887-896	6	47
156	Synchrotron Structural Characterization of Electrochemically Synthesized Hexacyanoferrates Containing K <sup>+</sup> : A Revisited Analysis of Electrochemical Redox. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13264-13271	3.8	45
155	Redox Capacitive Assaying of C-Reactive Protein at a Peptide Supported Aptamer Interface. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3005-3008	7.8	44
154	Elucidating redox-level dispersion and local dielectric effects within electroactive molecular films. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1997-2004	7.8	41
153	Impedance spectroscopy analysis of TiO <sub>2</sub> thin film gas sensors obtained from water-based anatase colloids. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 139, 447-452	8.5	41
152	The effect of cooling rate during hydrothermal synthesis of ZnO nanorods. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 4102-4108	1.6	41
151	Ionic conductivity of Bi <sub>4</sub> Ti <sub>0.2</sub> V <sub>1.8</sub> O <sub>10.7</sub> polycrystalline ceramics obtained by the polymeric precursor route. <i>Materials Letters</i> , <b>2003</b> , 57, 2540-2544	3.3	40
150	Dynamic Processes in the Coloration of WO <sub>3</sub> by Lithium Insertion. <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, E302	3.9	40
149	Capacitance spectroscopy and density functional theory. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9375-82	3.6	39
148	Nature of potential barrier in (Ca <sub>1/4</sub> ,Cu <sub>3/4</sub> )TiO <sub>3</sub> polycrystalline perovskite. <i>Solid State Communications</i> , <b>2006</b> , 138, 1-4	1.6	39
147	Changeover during in situ compositional modulation of hexacyanoferrate (Prussian Blue) material. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 17146-52	16.4	38
146	Electrochromic properties of lithium doped WO <sub>3</sub> films prepared by the sol-gel process. <i>Electrochimica Acta</i> , <b>2001</b> , 46, 1977-1981	6.7	38
145	Impedance-derived electrochemical capacitance spectroscopy for the evaluation of lectin-glycoprotein binding affinity. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 102-5	11.8	37
144	Synthesis and electrochromic behavior of lithium-doped WO <sub>3</sub> films. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 290, 115-121	3.9	37
143	Low-Voltage Varistor Based on (Sn,Ti)O <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 282-284	3.8	36
142	A dual marker label free electrochemical assay for Flavivirus dengue diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 519-525	11.8	35

141	Penicillinase-based amperometric biosensor for penicillin G. <i>Electrochemistry Communications</i> , <b>2014</b> , 38, 131-133	5.1	35
140	Effect of the addition of ZnO seeds on the electrical properties of ZnO-based varistors. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 80, 512-516	4.4	35
139	Sol-gel nonhydrolytic synthesis of a hybrid organic-inorganic electrolyte for application in lithium-ion devices. <i>Solid State Ionics</i> , <b>2004</b> , 166, 83-88	3.3	34
138	Nanoscale electromechanical properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 052019	2.5	33
137	Admittance and dielectric spectroscopy of polycrystalline semiconductors. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4313-4320	6	33
136	Comparative Electrical Behavior at Low and High Current of SnO <sub>2</sub> - and ZnO-Based Varistors. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2402-2404	3.8	33
135	Density functional theory and an experimentally-designed energy functional of electron density. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25984-25992	3.6	32
134	Real-time monitoring and kinetic parameter estimation of the affinity interaction of rArtinM and rArtinM with peroxidase glycoprotein by the electrogravimetric technique. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 36-42	11.8	32
133	Importance of oxygen atmosphere to recover the ZnO-based varistors properties. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 6221-6227	4.3	32
132	Nanoscale origins of super-capacitance phenomena. <i>Journal of Power Sources</i> , <b>2019</b> , 414, 420-434	8.9	31
131	Redox-tagged peptide for capacitive diagnostic assays. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 281-287	11.8	31
130	P-type semiconducting gas sensing behavior of nanoporous rf sputtered CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 132110	3.4	31
129	Separation of dielectric and space charge polarizations in CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CaTiO <sub>3</sub> composite polycrystalline systems. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 142912	3.4	31
128	Grain-boundary segregation and precipitates in La <sub>2</sub> O <sub>3</sub> and Pr <sub>2</sub> O <sub>3</sub> doped SnO <sub>2</sub> /CoO-based varistors. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 1875-1880	6	31
127	Common Principles of Molecular Electronics and Nanoscale Electrochemistry. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7095-7106	7.8	31
126	Doping saturation in dye-sensitized solar cells based on ZnO:Ga nanostructured photoanodes. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 6503-6509	6.7	30
125	Coloring ionic trapping states in WO <sub>3</sub> and Nb <sub>2</sub> O <sub>5</sub> electrochromic materials. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 5533-5539	6.7	30
124	Conventional and microwave sintering of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /CaTiO <sub>3</sub> ceramic composites: non-ohmic and dielectric properties. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 152004	3	30

123	Relaxation processes in the coloration of amorphous WO <sub>3</sub> thin films studied by combined impedance and electro-optical measurements. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 853-859	2.5	30
122	A Comparative Study of Thermal Conductivity in ZnO- and SnO <sub>2</sub> -Based Varistor Systems. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2629-2631	3.8	30
121	Impedance electroanalysis in diagnostics. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 944-50	7.8	29
120	Perspectives on and Precautions for the Uses of Electric Spectroscopic Methods in Label-free Biosensing Applications. <i>ACS Sensors</i> , <b>2019</b> , 4, 2216-2227	9.2	29
119	The dielectric suppress and the control of semiconductor non-Ohmic feature of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> by means of tin doping. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 132906	3.4	29
118	Comparative degradation of ZnO- and SnO <sub>2</sub> -based polycrystalline non-ohmic devices by current pulse stress. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 122002	3	29
117	Electrostatic force microscopy as a tool to estimate the number of active potential barriers in dense non-Ohmic polycrystalline SnO <sub>2</sub> devices. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 152102	3.4	29
116	Synthesis of SnO <sub>2</sub> by chemical routes and its use in varistors production. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 3893-3896	6	28
115	Dielectric behaviour of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -epoxy composites. <i>Materials Research</i> , <b>2008</b> , 11, 85-88	1.5	27
114	Photoluminescent CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -Based Thin Films Synthesized by a Sol-gel Method. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 4162-4164	3.8	27
113	Graphene-based protein biomarker detection. <i>Bioanalysis</i> , <b>2015</b> , 7, 725-42	2.1	26
112	Quantum capacitance as a reagentless molecular sensing element. <i>Nanoscale</i> , <b>2017</b> , 9, 15362-15370	7.7	26
111	Optimized Diagnostic Assays Based on Redox Tagged Bioreceptive Interfaces. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 12137-44	7.8	26
110	Hybrid Organic-Inorganic Polymer: A New Approach for the Development of Decoupled Polymer Electrolytes. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4561-4563	9.6	26
109	Mechanism for interplay between electron and ionic fluxes in KhFek[Fe(CN) <sub>6</sub> ].nH <sub>2</sub> O compounds. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 2715-22	3.4	26
108	Electrochromic properties of undoped and lithium doped Nb <sub>2</sub> O <sub>5</sub> films prepared by the sol-gel method. <i>Electrochimica Acta</i> , <b>2001</b> , 46, 2113-2118	6.7	26
107	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 946-952	6.7	25
106	Resistive-switching behavior in polycrystalline CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 500-4	9.5	25

105	Structural analysis of pure and LiCF <sub>3</sub> SO <sub>3</sub> -doped amorphous WO <sub>3</sub> electrochromic films and discussion on coloration kinetics. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 2102-2109	2.5	25
104	Nonohmic behavior of SnO <sub>2</sub> -MnO polycrystalline ceramics. II. Analysis of admittance and dielectric spectroscopy. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 3811-3817	2.5	25
103	Quartz Crystal Microbalance monitoring the real-time binding of lectin with carbohydrate with high and low molecular mass. <i>Microchemical Journal</i> , <b>2008</b> , 89, 153-158	4.8	24
102	Crossover from capacitive to pseudoinductive charge-relaxation in organicâpolymeric light-emitting diodes. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 013505	3.4	24
101	Thermal conductivity features of ZnO-based varistors using the laser-pulse method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 371, 377-381	5.3	24
100	Sensitivity of SnO <sub>2</sub> non-ohmic behavior to the sintering process and to the addition of La <sub>2</sub> O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1179-1185	6	24
99	The Mesoscopic Electrochemistry of Molecular Junctions. <i>Scientific Reports</i> , <b>2016</b> , 6, 18400	4.9	23
98	Li <sup>+</sup> insertion into pure and doped amorphous WO <sub>3</sub> films. Correlations between coloration kinetics, charge and mass accumulation. <i>Solid State Ionics</i> , <b>2003</b> , 158, 415-426	3.3	23
97	Influence of La <sub>2</sub> O <sub>3</sub> , Pr <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> on the nonlinear properties of SnO <sub>2</sub> multicomponent varistors. <i>Materials Chemistry and Physics</i> , <b>2002</b> , 74, 150-153	4.4	22
96	The Influence of Excess Precipitate on the Non-Ohmic Properties of SnO <sub>2</sub> -Based Varistors <b>2003</b> , 10, 63-68		22
95	Electrochemical performance of cathodes based on LiMn <sub>2</sub> O <sub>4</sub> spinel obtained by combustion synthesis. <i>Journal of Power Sources</i> , <b>2001</b> , 97-98, 447-449	8.9	22
94	Electronic Perspective on the Electrochemistry of Prussian Blue Films. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, P74	3.9	21
93	Electrochromic Switching Mechanism of Iron Hexacyanoferrates Molecular Compounds: The Role of Fe <sup>2+</sup> /(CN) <sub>6</sub> Vacancies. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9916-9920	3.8	21
92	Nonohmic behavior of SnO <sub>2</sub> -MnO polycrystalline ceramics. I. Correlations between microstructural morphology and nonohmic features. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 2693-2700	2.5	21
91	The failure analyses on ZnO varistors used in high tension devices. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 5591-5596	4.3	21
90	Charge transport and energy storage at the molecular scale: from nanoelectronics to electrochemical sensing. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7505-7515	58.5	21
89	Comparison of non-Ohmic accelerated ageing of the ZnO- and SnO <sub>2</sub> -based voltage dependent resistors. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 015503	3	20
88	Impedance spectroscopy analysis of SnO <sub>2</sub> thick-films gas sensors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2008</b> , 19, 1169-1175	2.1	20

87	Kinetic aspects of ion exchange in $\text{KhFek}[\text{Fe}(\text{CN})_6] \cdot n\text{H}_2\text{O}$ compounds: a combined electrical and mass transfer functions approach. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 19352-63	3.4	20
86	Espectroscopia de impedância eletroquímica aplicada ao estudo das reações heterogêneas em flodios dimensionalmente estveis. <i>Quimica Nova</i> , <b>2006</b> , 29, 796-804	1.6	20
85	Mapping the ionic fingerprints of molecular monolayers. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 15098-15109	3.6	19
84	Serological point-of-care and label-free capacitive diagnosis of dengue virus infection. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 151, 111972	11.8	19
83	Influence of degradation on the electrical conduction process in ZnO and SnO <sub>2</sub> -based varistors. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 074505	2.5	18
82	How Cr <sub>2</sub> O <sub>3</sub> influences the microstructure and nonohmic features of the SnO <sub>2</sub> (Co <sub>x</sub> , Mn <sub>1-x</sub> )O-based varistor system. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 1221-1229	6	18
81	Nanoscale Electrochemistry of Molecular Contacts. <i>SpringerBriefs in Applied Sciences and Technology</i> , <b>2018</b> ,	0.4	18
80	The self-assembly of redox active peptides: Synthesis and electrochemical capacitive behavior. <i>Biopolymers</i> , <b>2016</b> , 106, 357-67	2.2	17
79	Resonant x-ray diffraction as a tool to calculate mixed valence ratios: Application to Prussian Blue materials. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 264103	3.4	14
78	Ferroelectric and microstructural characteristics of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films crystallized by the rapid thermal annealing process. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 3416-3419	2.5	14
77	Reagentless Detection of Low-Molecular-Weight Triamterene Using Self-Doped TiO Nanotubes. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7651-7658	7.8	14
76	Mesoscopic behaviour of multi-layered graphene: the meaning of supercapacitance revisited. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 6792-6806	3.6	13
75	Pseudocapacitance phenomena and applications in biosensing devices. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 175-184	6.7	13
74	Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 368-78	11.8	13
73	Chemical Hardness of Mesoscopic Electrochemical Systems Directly Analyzed from Experimental Data. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21213-21223	3.8	13
72	Grain size effect on the electrical response of SnO <sub>2</sub> thin and thick film gas sensors. <i>Materials Research</i> , <b>2009</b> , 12, 83-87	1.5	13
71	Critical Water Effect on the Plasmon Band and Visible Light Activity of Au/ZnO Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 2018-2027	3.8	12
70	Evaluating the Equilibrium Association Constant between ArtinM Lectin and Myeloid Leukemia Cells by Impedimetric and Piezoelectric Label Free Approaches. <i>Biosensors</i> , <b>2014</b> , 4, 358-69	5.9	12



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