

Ayyakkannu Manivannan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6817422/publications.pdf>

Version: 2024-02-01

126
papers

9,874
citations

46918

47
h-index

34900

98
g-index

128
all docs

128
docs citations

128
times ranked

14990
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of Photocatalytic Activity of Nitrogen-Doped TiO ₂ Nanobelts. Journal of the American Chemical Society, 2009, 131, 12290-12297.	6.6	1,112
2	Shape-Enhanced Photocatalytic Activity of Single-Crystalline Anatase TiO ₂ (101) Nanobelts. Journal of the American Chemical Society, 2010, 132, 6679-6685.	6.6	680
3	Rechargeable magnesium battery: Current status and key challenges for the future. Progress in Materials Science, 2014, 66, 1-86.	16.0	538
4	Solar Hydrogen Generation by a CdS-Au-TiO ₂ Sandwich Nanorod Array Enhanced with Au Nanoparticle as Electron Relay and Plasmonic Photosensitizer. Journal of the American Chemical Society, 2014, 136, 8438-8449.	6.6	533
5	A reduced graphene oxide/Co ₃ O ₄ composite for supercapacitor electrode. Journal of Power Sources, 2013, 226, 65-70.	4.0	485
6	Chemically Bonded Phosphorus/Graphene Hybrid as a High Performance Anode for Sodium-Ion Batteries. Nano Letters, 2014, 14, 6329-6335.	4.5	434
7	Cyclability study of silicon-carbon composite anodes for lithium-ion batteries using electrochemical impedance spectroscopy. Electrochimica Acta, 2011, 56, 3981-3987.	2.6	374
8	Single-crystalline Ni(OH) ₂ and NiO nanoplatelet arrays as supercapacitor electrodes. Nanoscale, 2011, 3, 5103.	2.8	287
9	Effects of Pore Structure on Performance of An Activated-Carbon Supercapacitor Electrode Recycled from Scrap Waste Tires. ACS Sustainable Chemistry and Engineering, 2014, 2, 1592-1598.	3.2	285
10	Highly conductive electrospun carbon nanofiber/MnO ₂ coaxial nano-cables for high energy and power density supercapacitors. Journal of Power Sources, 2012, 208, 345-353.	4.0	243
11	Photocatalytic Water Oxidation by Hematite/Reduced Graphene Oxide Composites. ACS Catalysis, 2013, 3, 746-751.	5.5	226
12	High-Performance Hybrid Supercapacitor Enabled by a High-Rate Si-based Anode. Advanced Functional Materials, 2014, 24, 7433-7439.	7.8	208
13	Reduced graphene oxide/titanium dioxide composites for supercapacitor electrodes: shape and coupling effects. Journal of Materials Chemistry, 2012, 22, 19161.	6.7	188
14	Graphene-Bonded and Encapsulated Si Nanoparticles for Lithium Ion Battery Anodes. Small, 2013, 9, 2810-2816.	5.2	183
15	Structural Analysis of Sucrose-Derived Hard Carbon and Correlation with the Electrochemical Properties for Lithium, Sodium, and Potassium Insertion. Chemistry of Materials, 2020, 32, 2961-2977.	3.2	150
16	Neutron scattering and magnetic studies of ferrihydrite nanoparticles. Physical Review B, 2000, 61, 3513-3518.	1.1	135
17	Carbon coated hollow Na ₂ FePO ₄ F spheres for Na-ion battery cathodes. Journal of Power Sources, 2013, 223, 62-67.	4.0	134
18	Catalyst-Free Growth of Three-Dimensional Graphene Flakes and Graphene/g-C ₃ N ₄ Composite for Hydrocarbon Oxidation. ACS Nano, 2016, 10, 3665-3673.	7.3	122

#	ARTICLE	IF	CITATIONS
19	Multiferroic properties of Pb(Zr,Ti)O ₃ •CoFe ₂ O ₄ composite thin films. Journal of Applied Physics, 2006, 100, 126105.	1.1	103
20	Microstructure, dangling bonds and impurities in activated carbons. Carbon, 1999, 37, 1741-1747.	5.4	94
21	Photoinduced electron paramagnetic resonance study of electron traps in TiO ₂ crystals: Oxygen vacancies and Ti ³⁺ ions. Applied Physics Letters, 2009, 94, .	1.5	94
22	Magnetism of Co-doped titania thin films prepared by spray pyrolysis. Applied Physics Letters, 2003, 83, 111-113.	1.5	93
23	Lignosulphonate-cellulose derived porous activated carbon for supercapacitor electrode. Journal of Materials Chemistry A, 2015, 3, 15049-15056.	5.2	93
24	Electrochemical and Structural Investigations on ZnO Treated 0.5 Li ₂ MnO ₃ -0.5LiMn _{0.5} Ni _{0.5} O ₂ Layered Composite Cathode Material for Lithium Ion Battery. Journal of the Electrochemical Society, 2012, 159, A470-A478.	1.3	92
25	Electrocatalytic Properties of Nanocrystalline Calcium-Doped Lanthanum Cobalt Oxide for Bifunctional Oxygen Electrodes. Journal of Physical Chemistry Letters, 2012, 3, 967-972.	2.1	92
26	High performance and durable nanostructured TiN supported Pt ₅₀ –Ru ₅₀ anode catalyst for direct methanol fuel cell (DMFC). Journal of Power Sources, 2015, 293, 437-446.	4.0	88
27	Detection of trace levels of Pb ²⁺ in tap water at boron-doped diamond electrodes with anodic stripping voltammetry. Electrochimica Acta, 2006, 51, 2437-2441.	2.6	84
28	Porous Spherical Carbon/Sulfur Nanocomposites by Aerosol-Assisted Synthesis: The Effect of Pore Structure and Morphology on Their Electrochemical Performance As Lithium/Sulfur Battery Cathodes. ACS Applied Materials & Interfaces, 2014, 6, 7596-7606.	4.0	84
29	Single crystalline La _{0.5} Sr _{0.5} MnO ₃ microcubes as cathode of solid oxidefuel cell. Energy and Environmental Science, 2011, 4, 139-144.	15.6	81
30	Dewatering of fine coal slurries by selective heating with microwaves. Fuel, 2007, 86, 829-834.	3.4	80
31	A Scientific Study of Current Collectors for Mg Batteries in Mg(AlCl ₂ EtBu) ₂ /THF Electrolyte. Journal of the Electrochemical Society, 2013, 160, A351-A355.	1.3	80
32	A Convenient Approach to Mo ₆ S ₈ Chevrel Phase Cathode for Rechargeable Magnesium Battery. Journal of the Electrochemical Society, 2014, 161, A593-A598.	1.3	76
33	Interaction of Pb and Cd during anodic stripping voltammetric analysis at boron-doped diamond electrodes. Electrochimica Acta, 2004, 49, 3313-3318.	2.6	73
34	Nitrogen and cobalt co-doped zinc oxide nanowires – Viable photoanodes for hydrogen generation via photoelectrochemical water splitting. Journal of Power Sources, 2015, 299, 11-24.	4.0	72
35	High performance robust F-doped tin oxide based oxygen evolution electro-catalysts for PEM based water electrolysis. Journal of Materials Chemistry A, 2013, 1, 4026.	5.2	66
36	Novel (Ir,Sn,Nb)O ₂ anode electrocatalysts with reduced noble metal content for PEM based water electrolysis. International Journal of Hydrogen Energy, 2012, 37, 3001-3013.	3.8	64

#	ARTICLE	IF	CITATIONS
37	High energy density titanium doped-vanadium oxide-vertically aligned CNT composite electrodes for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8413-8432.	5.2	64
38	Structural investigations of synthetic ferrihydrite nanoparticles doped with Si. <i>Solid State Communications</i> , 2004, 130, 597-601.	0.9	61
39	Impact of cobalt-based catalyst characteristics on the performance of conventional gas-phase and supercritical-phase Fischer-Tropsch synthesis. <i>Applied Catalysis A: General</i> , 2005, 285, 169-180.	2.2	61
40	A naphthalocyanine-based EPR probe for localized measurements of tissue oxygenation. <i>Free Radical Biology and Medicine</i> , 2002, 32, 139-147.	1.3	58
41	Advancing the Supercapacitor Materials and Technology Frontier for Improving Power Quality. <i>Electrochemical Society Interface</i> , 2010, 19, 57-62.	0.3	58
42	Synthesis, characterization, and electrochemical studies of chemically synthesized NaFePO ₄ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 1729-1733.	1.7	58
43	Direct Synthesis of Few-Layer Graphene on NaCl Crystals. <i>Small</i> , 2015, 11, 6302-6308.	5.2	57
44	A Simple Low Temperature Synthesis of Nanostructured Vanadium Nitride for Supercapacitor Applications. <i>Journal of the Electrochemical Society</i> , 2013, 160, A2195-A2206.	1.3	55
45	A Room-Temperature and Microwave Synthesis of M-Doped ZnO (M=Co, Cr, Fe, Mn & Ni). <i>Journal of Cluster Science</i> , 2005, 16, 523-536.	1.7	50
46	Electrodeposition of amorphous silicon anode for lithium ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 1157-1162.	1.7	50
47	ELECTROCHEMICAL DETECTION OF IONIC MERCURY AT BORON-DOPED DIAMOND ELECTRODES. <i>Analytical Letters</i> , 2002, 35, 355-368.	1.0	48
48	Nature of the reversible paramagnetism to ferromagnetism state in cobalt-doped titanium dioxide. <i>Journal of Applied Physics</i> , 2005, 97, 10D325.	1.1	46
49	Molecular orientation of vacuum-deposited thin films of zincnaphthalocyanine. <i>Journal of Applied Physics</i> , 1992, 71, 5146-5153.	1.1	45
50	Investigation of Mn/Co coated T441 alloy as SOFC interconnect by on-cell tests. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 4525-4529.	3.8	45
51	Effect of Sr-Doped LaCoO ₃ and LaZrO ₃ Infiltration on the Performance of SDC-LSCF Cathode. <i>Journal of the Electrochemical Society</i> , 2011, 158, B735.	1.3	44
52	Design Insights for Tuning the Electrocatalytic Activity of Perovskite Oxides for the Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8004-8013.	1.5	44
53	CO ₂ Photoreduction in the Liquid Phase over Pd-Supported on TiO ₂ Nanotube and Bismuth Titanate Photocatalysts. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, F5.	2.2	41
54	Detection of Trace Lead at Boron-Doped Diamond Electrodes by Anodic Stripping Analysis. <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 455.	2.2	40

#	ARTICLE	IF	CITATIONS
55	Controlled transformation of paramagnetism to room-temperature ferromagnetism in cobalt-doped titanium dioxide. <i>Journal of Applied Physics</i> , 2003, 94, 6994-6996.	1.1	38
56	Electrochemical Performance of Chemically and Solid State-Derived Chevrel Phase Mo_6T_8 (T = S, Se) Positive Electrodes for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5771-5782.	1.5	36
57	Cobalt based nanostructured alloys: Versatile high performance robust hydrogen evolution reaction electro-catalysts for electrolytic and photo-electrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17049-17062.	3.8	35
58	Temperature dependence of electron magnetic resonance and magnetization in NiO nanorods. <i>Solid State Communications</i> , 2004, 129, 721-725.	0.9	34
59	Electrochemical Deposition of Titanium Oxide on Boron-Doped Diamond Electrodes. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, C138.	2.2	34
60	Sol-gel derived $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ nanoparticles, nanotubes, nanowires and thin films. <i>Thin Solid Films</i> , 2008, 517, 582-587.	0.8	33
61	$\text{Pr}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ electrocatalyst for solid oxide fuel cell cathode introduced via infiltration. <i>Electrochimica Acta</i> , 2011, 56, 9904-9909.	2.6	33
62	A rapid solid-state synthesis of electrochemically active Chevrel phases (Mo_6T_8 ; T = S, Se) for rechargeable magnesium batteries. <i>Nano Research</i> , 2017, 10, 4415-4435.	5.8	33
63	Self-orientation of short single-walled carbon nanotubes deposited on graphite. <i>Applied Physics Letters</i> , 2001, 78, 1355-1357.	1.5	31
64	Detection of mercury at the ppb level in solution using boron-doped diamond electrode. <i>Fuel Processing Technology</i> , 2004, 85, 513-519.	3.7	28
65	Electrospun $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ nanofibers for a high-temperature electrochemical carbon monoxide sensor. <i>Nanotechnology</i> , 2012, 23, 305501.	1.3	28
66	Microwave Derived Facile Approach to Sn/Graphene Composite Anodes for, Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2014, 127, 299-306.	2.6	28
67	WO_3 based solid solution oxide promising proton exchange membrane fuel cell anode electro-catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18296-18309.	5.2	28
68	Nanostructured robust cobalt metal alloy based anode electro-catalysts exhibiting remarkably high performance and durability for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14015-14032.	5.2	27
69	Interparticle interaction effects in the magnetic properties of NiO nanorods. <i>Journal of Applied Physics</i> , 2005, 97, 10J509.	1.1	25
70	A combined first-principles computational/experimental study on $\text{LiNi}_{0.66}\text{Co}_{0.17}\text{Mn}_{0.17}\text{O}_2$ as a potential layered cathode material. <i>Journal of Power Sources</i> , 2012, 211, 12-18.	4.0	25
71	Distinguishing surface effects of gold nanoparticles from plasmonic effect on photoelectrochemical water splitting by hematite. <i>Journal of Materials Research</i> , 2016, 31, 1608-1615.	1.2	25
72	Vertically aligned nitrogen doped (Sn,Nb) O_2 nanotubes Robust photoanodes for hydrogen generation by photoelectrochemical water splitting. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 208, 1-14.	1.7	25

#	ARTICLE	IF	CITATIONS
73	Silica Xerogel Supported Cobalt Metal Fischer-Tropsch Catalysts for Syngas to Diesel Range Fuel Conversion. <i>Energy & Fuels</i> , 2004, 18, 1519-1521.	2.5	24
74	Ground state of the singly ionized oxygen vacancy in rutile TiO ₂ . <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	23
75	CVD Derived Vanadium Oxide Nano-Sphere-Carbon Nanotube (CNT) Nano-Composite Hetero-Structures: High Energy Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1118-A1127.	1.3	22
76	Sol-Gel Synthesis and Magnetic Studies of Titanium Dioxide Doped with 10% M (M=Fe, Mn and Ni). <i>Journal of Cluster Science</i> , 2005, 16, 501-513.	1.7	21
77	Characteristics of Cobalt Nanoneedles in 10% Co/Aerogel Fischer-Tropsch Catalyst. <i>Chemistry of Materials</i> , 2005, 17, 5183-5186.	3.2	21
78	Nanostructured (Ir,Sn)O ₂ :F ⁻ Oxygen Evolution Reaction Anode Electro-Catalyst Powders for PEM Based Water Electrolysis. <i>Journal of the Electrochemical Society</i> , 2014, 161, F868-F875.	1.3	20
79	Electrochemical properties of a new nanocrystalline NaMn ₂ O ₄ cathode for rechargeable sodium ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 188, 1-7.	1.7	20
80	Investigation of Oxygen Evolution Reaction at LaRuO ₃ , La _{3.5} Ru ₄ O ₁₃ , and La ₂ RuO ₅ . <i>Electrochimica Acta</i> , 2015, 180, 401-408.	2.6	20
81	Characterization of Fischer-Tropsch Cobalt-Based Catalytic Systems (Co/SiO ₂ and Co/Al ₂ O ₃) by X-ray Diffraction and Magnetic Measurements. <i>Catalysis Letters</i> , 2004, 98, 203-210.	1.4	19
82	Neutron Diffraction and Electrochemical Studies of Na _{0.79} CoO ₂ and Na _{0.79} Co _{0.7} Mn _{0.3} O ₂ Cathodes for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A961-A967.	1.3	19
83	Synthesis, characterization and electrochemical performance of Al-substituted Li ₂ MnO ₃ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 201, 13-22.	1.7	19
84	The Influence of Fe Substitution in Lanthanum Calcium Cobalt Oxide on the Oxygen Evolution Reaction in Alkaline Media. <i>Journal of the Electrochemical Society</i> , 2016, 163, F1124-F1132.	1.3	19
85	Synthesis and characterization of substituted garnet and perovskite-based lithium-ion conducting solid electrolytes. <i>Ionics</i> , 2016, 22, 317-325.	1.2	19
86	Effect of Si doping on the electron spin resonance properties of ferrihydrite nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 2207-2209.	1.2	18
87	Study of fluorine doped (Nb,Ir)O ₂ solid solution electro-catalyst powders for proton exchange membrane based oxygen evolution reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 212, 101-108.	1.7	18
88	Imaging of vanadyl naphthalocyanine aggregates by scanning tunneling microscopy. <i>Langmuir</i> , 1993, 9, 771-775.	1.6	17
89	Recent Aspects of Photocatalytic Technologies for Solar Fuels, Self-Cleaning, and Environmental Cleanup. <i>Electrochemical Society Interface</i> , 2013, 22, 51-56.	0.3	17
90	A study of a fluorine substituted phenyl based complex as a 3 V electrolyte for Mg batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15488-15494.	5.2	17

#	ARTICLE	IF	CITATIONS
91	Lithium naphthalocyanine as a new molecular radical probe for electron paramagnetic resonance oximetry. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 233, 131-135.	1.0	15
92	A Unique Architecture Based on 1D Semiconductor, Reduced Graphene Oxide, and Chalcogenide with Multifunctional Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 10456-10465.	1.7	14
93	Highly active robust oxide solid solution electro-catalysts for oxygen reduction reaction for proton exchange membrane fuel cell and direct methanol fuel cell cathodes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24079-24089.	3.8	14
94	Scanning tunneling microscopy observations of zincnaphthalocyanine on MoS ₂ . <i>Thin Solid Films</i> , 1993, 226, 6-8.	0.8	12
95	Scanning Probe Microscopic Investigation of Epitaxially Grown C ₆₀ Film on MoS ₂ . <i>Japanese Journal of Applied Physics</i> , 1992, 31, 3680-3685.	0.8	11
96	Determination of the Electronic State and Concentration of Nickel in NiSAPO Catalysts by Magnetic Measurements. <i>Catalysis Letters</i> , 2004, 94, 181-185.	1.4	11
97	Pulsed Current Electrodeposition of Silicon Thin Films Anodes for Lithium Ion Battery Applications. <i>Inorganics</i> , 2017, 5, 27.	1.2	11
98	Epitaxial growth of molecular magnetic thin films of lithium phthalocyanine. <i>Thin Solid Films</i> , 2001, 393, 28-33.	0.8	9
99	Synthesis of Nanocrystalline TiO ₂ Particles and Their Structural Characteristics. <i>Journal of Cluster Science</i> , 2008, 19, 391-399.	1.7	9
100	Synthesis and electrochemical study of Mg _{1.5} MnO ₃ : A defect spinel cathode for rechargeable magnesium battery. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 8-14.	1.7	9
101	Photoelectrochemical studies on p-CdCr ₂ Se ₄ . <i>Solar Energy Materials and Solar Cells</i> , 1987, 15, 293-298.	0.4	8
102	Electroluminescence at the SiC/electrolyte interface. <i>Journal of Luminescence</i> , 1988, 42, 43-47.	1.5	8
103	Spatial variations of the local density of states modified by CDWs in 1T-TaS ₂ . <i>Surface Science</i> , 1994, 314, 269-274.	0.8	8
104	Abrasive Stripping Voltammetry at Polycrystalline Diamond Electrodes. <i>Chemistry Letters</i> , 1999, 28, 851-852.	0.7	8
105	Structural Studies on NaFePO ₄ as a Cathode Material for Na ⁺ /Li ⁺ Mixed-Ion Batteries. <i>ECS Transactions</i> , 2011, 35, 3-7.	0.3	8
106	High energy mechano-chemical milling: Convenient approach to synthesis of LiMn _{1.5} Ni _{0.5} O ₄ high voltage cathode for lithium ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 190, 119-125.	1.7	7
107	Electrochemical Investigations on the Effect of Mg-Substitution in Li ₂ MnO ₃ Cathode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1464-A1473.	1.3	7
108	Electroluminescence at SiC/Electrolyte Interface under Cathodic Polarization: Observation of EL Transients in a Short Time Scale and Further Evidence for a Donor-Acceptor Transition. <i>Journal of the Electrochemical Society</i> , 1990, 137, 3121-3126.	1.3	6

#	ARTICLE	IF	CITATIONS
109	Probing the anion effects on the charge density waves in 1T-TaS ₂ by scanning tunneling microscopy. <i>Surface Science</i> , 1992, 274, L554-L558.	0.8	6
110	Electrochemical Quantification of Mercury in Solutions Using Boron-doped Diamond Electrodes: Electrode Regeneration and Role of Gold and Impurities. <i>Analytical Letters</i> , 2008, 41, 2162-2170.	1.0	6
111	Localized Surface Plasmon Resonance in Au Nanoparticles Embedded dc Sputtered ZnO Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1805-1814.	0.9	5
112	STM analysis of triosmium carbonyl cluster adsorption at HOPG. <i>Surface Science</i> , 1996, 350, 239-246.	0.8	4
113	Synthesis and Spectral Properties of Lithium Naphthalocyanine: A Novel EPR Oximetry Probe. <i>Chemistry Letters</i> , 2001, 30, 568-569.	0.7	4
114	Magnetic and electrical characterization of heavily boron-doped diamond. <i>Materials Characterization</i> , 2003, 51, 329-333.	1.9	4
115	Positron lifetime studies in pure and chromium intercalated 2H-NbSe ₂ . <i>Crystal Research and Technology</i> , 1987, 22, 1551-1555.	0.6	3
116	Polarization effects in AlGaAs single quantum well laser structure. <i>Solid State Communications</i> , 1996, 100, 337-340.	0.9	3
117	Thermal Expansions of the Beta and Gamma Phases in a Co-Ni-Fe Superalloy Determined by X-ray Diffraction. <i>Journal of Materials Research</i> , 2000, 15, 1719-1723.	1.2	3
118	Magnetic and high-pressure magnetotransport properties of cesium-substituted lanthanum calcium manganites. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 72, 333-339.	1.1	3
119	Surface morphology of a mechanically pressed polycrystalline silver wire studied by scanning tunneling microscopy. <i>Applied Surface Science</i> , 1993, 72, 435-439.	3.1	2
120	Hydrothermal Synthesis and Photocatalytic Activity of Titanium Dioxide Nanotubes, Nanowires and Nanospheres. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1144, 1.	0.1	2
121	Photoelectrochemical Study of n-InP: Redox Processes Using Electroluminescence as Mechanistic Probe. <i>Bulletin of the Chemical Society of Japan</i> , 1990, 63, 2504-2510.	2.0	1
122	Magnetic Resonance Spectroscopy with Longitudinal Multispin Orders. <i>Current Analytical Chemistry</i> , 2008, 4, 40-54.	0.6	1
123	Evaluating Methods for Infiltration of LSCF Cathodes With Mixed Electric/Ionic Conductors for Improved Oxygen Exchange. , 2010, , .		1
124	Microstructural Control of Composite Cathode by Wetting Nature of Infiltrated Solutions. <i>ECS Transactions</i> , 2011, 35, 2401-2407.	0.3	0
125	Carbon Dioxide Decomposition and Oxygen Generation Via SOEC. <i>ECS Transactions</i> , 2013, 50, 129-136.	0.3	0
126	Investigation of the structural ordering in thin naphthalocyanine films using scanning probe microscopy. , 1994, , 353-356.		0