

# Panagiotis Tsiakaras

## List of Publications by Year in descending order

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217  
papers

13,677  
citations

17405

63  
h-index

26548

107  
g-index

222  
all docs

222  
docs citations

222  
times ranked

10863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shell-thickness-dependent Pd@PtNi core-shell nanosheets for efficient oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2022, 427, 131565.	6.6	38
2	Enhanced oxygen reduction and methanol oxidation reaction over self-assembled Pt-M (M=Co, Ni) nanoflowers. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1411-1423.	5.0	26
3	Novel fluorine-doped cobalt molybdate nanosheets with enriched oxygen-vacancies for improved oxygen evolution reaction activity. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120871.	10.8	69
4	Ternary Mo <sub>2</sub> NiB <sub>2</sub> as a Superior Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2022, 18, e2104303.	5.2	70
5	Single-atom catalysis for zinc-air/O <sub>2</sub> batteries, water electrolyzers and fuel cells applications. <i>Energy Storage Materials</i> , 2022, 45, 504-540.	9.5	39
6	Understanding the selectivity trend of water and sulfate (SO <sub>4</sub> <sup>2-</sup> ) oxidation on metal oxides: On-site synthesis of persulfate, H <sub>2</sub> O <sub>2</sub> for wastewater treatment. <i>Chemical Engineering Journal</i> , 2022, 431, 134332.	6.6	12
7	Oxygen Vacancy and Core-Shell Heterojunction Engineering of Anemone-Like CoP@CoOOH Bifunctional Electrocatalyst for Efficient Overall Water Splitting. <i>Small</i> , 2022, 18, e2106012.	5.2	82
8	Cost Effective Synthesis of Graphene Nanomaterials for Non-Enzymatic Electrochemical Sensors for Glucose: A Comprehensive Review. <i>Sensors</i> , 2022, 22, 355.	2.1	26
9	Selective electro-oxidation of dopamine on Co or Fe supported onto N-doped ketjenblack. <i>Electrochimica Acta</i> , 2022, 409, 139943.	2.6	9
10	Understanding the Surface Reconstruction on Ternary W <sub>x</sub> CoB <sub>x</sub> for Water Oxidation and Zinc-Air Battery Applications. <i>Small</i> , 2022, 18, e2201067.	5.2	16
11	Fundamentals and Principles of Solid-State Electrochemical Sensors for High Temperature Gas Detection. <i>Catalysts</i> , 2022, 12, 1.	1.6	19
12	Efficient carbon dioxide electroreduction over rationally designed heterogeneous Ag <sub>2</sub> S-Au nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 1172-1180.	5.0	9
13	ZIF@Mg(OH) <sub>2</sub> Dual Template Assisted Self-Confinement of Small PtCo NPs as Promising Oxygen Reduction Reaction in PEM Fuel Cell. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	24
14	Preparation and characterization of novel NiIn <sub>2</sub> S <sub>4</sub> /UiO-66 photocatalysts for the efficient degradation of antibiotics in water. <i>Chemosphere</i> , 2022, , 135699.	4.2	0
15	Highly stable cathodes for proton exchange membrane fuel cells: Novel carbon supported Au@PtNiAu concave octahedral core-shell nanocatalyst. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 1040-1050.	5.0	6
16	A novel efficient electrocatalyst for oxygen reduction and oxygen evolution reaction in Li-O <sub>2</sub> batteries: Co/CoSe embedded N, Se co-doped carbon. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121698.	10.8	24
17	CO tolerance and durability study of PtMe(Me=Ir or Pd) electrocatalysts for H <sub>2</sub> -PEMFC application. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13865-13877.	3.8	16
18	Electrocatalytic reduction of nitrogen on FeAg/Si for ammonia synthesis: A simple strategy for continuous regulation of faradaic efficiency by controlling H <sup>+</sup> ions transfer rate. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119606.	10.8	21

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19	Highly stable Pt-Co nanodendrite in nanoframe with Pt skin structured catalyst for oxygen reduction electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119460.	10.8	105
20	Hierarchically skeletal multi-layered Pt-Ni nanocrystals for highly efficient oxygen reduction and methanol oxidation reactions. <i>Chinese Journal of Catalysis</i> , 2021, 42, 648-657.	6.9	48
21	Novel Mn-/Co-N<sub>x</sub> Moieties Captured in N-Doped Carbon Nanotubes for Enhanced Oxygen Reduction Activity and Stability in Acidic and Alkaline Media. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23191-23200.	4.0	57
22	N, S Codoped Carbon Matrix@Encapsulated Co<sub>9</sub>S<sub>8</sub> Nanoparticles as a Highly Efficient and Durable Bifunctional Oxygen Redox Electrocatalyst for Rechargeable Zn@Air Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101249.	10.2	102
23	Emerging materials for the electrochemical detection of COVID-19. <i>Journal of Electroanalytical Chemistry</i> , 2021, 893, 115289.	1.9	40
24	Carbon Monoxide Tolerant Pt-Based Electrocatalysts for H <sub>2</sub> -PEMFC Applications: Current Progress and Challenges. <i>Catalysts</i> , 2021, 11, 1127.	1.6	37
25	Enhanced electrocatalytic overall water splitting over novel one-pot synthesized Ru@MoO <sub>3</sub> - and Fe <sub>3</sub> O <sub>4</sub> @NiFe layered double hydroxide on Ni foam. <i>Renewable Energy</i> , 2021, 177, 1346-1355.	4.3	26
26	Single noble metal atoms doped 2D materials for catalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120389.	10.8	49
27	Ag nanoparticles modified crumpled borophene supported Co <sub>3</sub> O <sub>4</sub> catalyst showing superior oxygen evolution reaction (OER) performance. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120529.	10.8	118
28	Atomic Scale Mechanisms of Multimode Oxide Growth on Nickel@Chromium Alloy: Direct <i>In Situ</i> Observation of the Initial Oxide Nucleation and Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 1903-1913.	4.0	8
29	Nanostructure Engineering of Metal@Organic Derived Frameworks: Cobalt Phosphide Embedded in Carbon Nanotubes as an Efficient ORR Catalyst. <i>Molecules</i> , 2021, 26, 6672.	1.7	22
30	Efficient overall water splitting over Mn doped Ni <sub>2</sub> P microflowers grown on nickel foam. <i>Catalysis Today</i> , 2020, 355, 815-821.	2.2	33
31	Electronic modulation of cobalt phosphide nanosheet arrays via copper doping for highly efficient neutral-pH overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118555.	10.8	172
32	Recent advances on oxygen reduction electrocatalysis: Correlating the characteristic properties of metal organic frameworks and the derived nanomaterials. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118570.	10.8	147
33	Iron oxide@graphitic carbon core-shell nanoparticles embedded in ordered mesoporous N-doped carbon matrix as an efficient cathode catalyst for PEMFC. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118468.	10.8	59
34	Electrocatalytic production of hydrogen over highly efficient ultrathin carbon encapsulated S, P co-existence copper nanorods composite. <i>Renewable Energy</i> , 2020, 151, 1278-1285.	4.3	10
35	Novel Bifunctional V<sub>2</sub>O<sub>3</sub> Nanosheets Coupled with N-Doped-Carbon Encapsulated Ni Heterostructure for Enhanced Electrocatalytic Oxidation of Urea-Rich Wastewater. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 38061-38069.	4.0	47
36	Highly efficient Li-O <sub>2</sub> batteries based on self-standing NiFeP@NC/BC cathode derived from biochar supported Prussian blue analogues. <i>Journal of Electroanalytical Chemistry</i> , 2020, 867, 114124.	1.9	12

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37	Heterojunction architecture of pTTh nanoflowers with CuOx nanoparticles hybridized for efficient photoelectrocatalytic degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119249.	10.8	24
38	A green approach for enhancing the electrocatalytic activity and stability of NiFe <sub>2</sub> O <sub>4</sub> /CB nanospheres towards hydrogen production. <i>Renewable Energy</i> , 2020, 154, 704-714.	4.3	25
39	Combined amperometric-potentiometric oxygen sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 127999.	4.0	12
40	Electrocatalytic production of ammonia: Biomimetic electrode-electrolyte design for efficient electrocatalytic nitrogen fixation under ambient conditions. <i>Applied Catalysis B: Environmental</i> , 2020, 271, 118919.	10.8	55
41	Enhanced Ultrasonic-Assisted Heterogeneous Fenton Degradation of Organic Pollutants over a New Copper Magnetite (Cu-Fe <sub>3</sub> O <sub>4</sub> /Cu/C) Nanohybrid Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 12431-12440.	1.8	22
42	Design and Synthesis of Highly Performing Bifunctional Ni-NiO-MoNi Hybrid Catalysts for Enhanced Urea Oxidation and Hydrogen Evolution Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7174-7181.	3.2	63
43	Sensors based on solid oxide electrolytes. , 2020, , 167-215.		6
44	Molybdenum-modified and vertex-reinforced quaternary hexapod nano-skeletons as efficient electrocatalysts for methanol oxidation and oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117974.	10.8	40
45	Excavated and dendritic Pt-Co nanocubes as efficient ethylene glycol and glycerol oxidation electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117951.	10.8	48
46	Nitrogen-doped 3D hierarchical ordered mesoporous carbon supported palladium electrocatalyst for the simultaneous detection of ascorbic acid, dopamine, and glucose. <i>Ionics</i> , 2019, 25, 6061-6070.	1.2	23
47	Determination of nitrous oxide concentration using a solid-electrolyte amperometric sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126750.	4.0	5
48	Copper oxide derived nanostructured self-supporting Cu electrodes for electrochemical reduction of carbon dioxide. <i>Electrochimica Acta</i> , 2019, 328, 135083.	2.6	26
49	Glucose electrooxidation reaction in presence of dopamine and uric acid over ketjenblack carbon supported PdCo electrocatalyst. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113610.	1.9	17
50	Oxygen Reduction Reaction over PtFeM (M = Mo, V, W) Alloy Electrocatalysts: Role of the Compressive Strain Effect on Pt. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16209-16214.	3.2	19
51	Bifunctional catalysts for overall water splitting: CoNi oxyhydroxide nanosheets electrodeposited on titanium sheets. <i>Electrochimica Acta</i> , 2019, 301, 449-457.	2.6	70
52	Cross-double dumbbell-like Pt-Ni nanostructures with enhanced catalytic performance toward the reactions of oxygen reduction and methanol oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 277-283.	10.8	145
53	Highly performing free standing cathodic electrocatalysts for Li-O <sub>2</sub> batteries: CoNiO <sub>2</sub> nanoneedle arrays supported on N-doped carbon nanonet. <i>Applied Catalysis A: General</i> , 2019, 574, 114-121.	2.2	21
54	Lithium-sulfur battery cathodes made of porous biochar support CoFe@NC metal nanoparticles derived from Prussian blue analogues. <i>Ionics</i> , 2019, 25, 5297-5304.	1.2	19

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55	Bimetallic Ni-Co phosphide nanosheets self-supported on nickel foam as high-performance electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 317, 191-198.	2.6	69
56	Enhanced hydrogen evolution activity over microwave-assisted functionalized 3D structured graphene anchoring FeP nanoparticles. <i>Electrochimica Acta</i> , 2019, 317, 242-249.	2.6	20
57	Anion-Cation Double Doped Co <sub>3</sub> O <sub>4</sub> Microtube Architecture to Promote High-Valence Co Species Formation for Enhanced Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11901-11910.	3.2	50
58	Worm-like S-doped RhNi alloys as highly efficient electrocatalysts for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117737.	10.8	61
59	Facile synthesis of bimetallic Pt-Pd symmetry-broken concave nanocubes and their enhanced activity toward oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 49-56.	10.8	62
60	Theoretical modeling of the gas humidification effect on the characteristics of proton ceramic fuel cells. <i>Applied Energy</i> , 2019, 242, 1448-1459.	5.1	22
61	A facile route to achieve ultrafine Fe <sub>2</sub> O <sub>3</sub> nanorods anchored on graphene oxide for application in lithium-ion battery. <i>Journal of Power Sources</i> , 2019, 416, 118-124.	4.0	67
62	Highly efficient electrocatalysts for oxygen reduction reaction: Nitrogen-doped PtNiMo ternary alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6582-6591.	3.8	22
63	P-doped CNTs encapsulated nickel hybrids with flower-like structure as efficient catalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 298, 142-149.	2.6	41
64	Bimetallic-organic framework-derived hierarchically porous Co-Zn-N-C as efficient catalyst for acidic oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 120-127.	10.8	140
65	Novel and highly efficient cathodes for Li-O <sub>2</sub> batteries: 3D self-standing NiFe@NC-functionalized N-doped carbon nanonet derived from Prussian blue analogues/biomass composites. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 721-732.	10.8	45
66	Interface charges redistribution enhanced monolithic etched copper foam-based Cu <sub>2</sub> O layer/TiO <sub>2</sub> nanodots heterojunction with high hydrogen evolution electrocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 365-372.	10.8	56
67	Synthesis of nitrogen-doped mesoporous carbon nanosheets for oxygen reduction electrocatalytic activity enhancement in acid and alkaline media. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4423-4431.	3.8	16
68	A novel NiFe@NC-functionalized N-doped carbon microtubule network derived from biomass as a highly efficient 3D free-standing cathode for Li-CO <sub>2</sub> batteries. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 559-567.	10.8	60
69	Effect of isovalent substitution of La <sup>3+</sup> in Ca-doped LaNbO <sub>4</sub> on the thermal and electrical properties. <i>Ceramics International</i> , 2019, 45, 209-215.	2.3	23
70	Oxygen reduction and hydrogen oxidation reaction on novel carbon supported Pd x Ir y electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11766-11777.	3.8	31
71	One-pot synthesized boron-doped RhFe alloy with enhanced catalytic performance for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 58-64.	10.8	112
72	An electrochemical method for the determination of concentration and diffusion coefficient of ammonia-nitrogen gas mixtures. <i>Journal of Electroanalytical Chemistry</i> , 2018, 808, 133-136.	1.9	12

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73	N-Doped Porous Molybdenum Carbide Nanobelts as Efficient Catalysts for Hydrogen Evolution Reaction. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 533-540.	10.8	358
74	Enhancement of oxygen reduction reaction performance: The characteristic role of Fe N coordinations. <i>Electrochimica Acta</i> , 2018, 260, 264-273.	2.6	27
75	In-situ electrosynthesis of hydrogen peroxide and wastewater treatment application: A novel strategy for graphite felt activation. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 392-400.	10.8	148
76	Transport properties of highly dense proton-conducting $\text{BaCe}_{0.8}\text{xZr}_{0.2}\text{O}_{3-\delta}$ materials in low- and high-temperature ranges. <i>Electrochimica Acta</i> , 2018, 284, 551-559.	2.6	27
77	Designing a protonic ceramic fuel cell with novel electrochemically active oxygen electrodes based on doped $\text{Nd}_{0.5}\text{Ba}_{0.5}\text{FeO}_3$ . <i>Dalton Transactions</i> , 2018, 47, 8149-8157.	1.6	35
78	The effect of oxygen and water vapor partial pressures on the total conductivity of $\text{BaCe}_{0.7}\text{Zr}_{0.1}\text{Y}_{0.2}\text{O}_{3-\delta}$ . <i>Ionics</i> , 2017, 23, 795-801.	1.2	19
79	Electrochemical moisture analysis by combining oxygen- and proton-conducting ceramic electrolytes. <i>Electrochemistry Communications</i> , 2017, 76, 55-58.	2.3	14
80	Design and applications of potentiometric sensors based on proton-conducting ceramic materials. A brief review. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1004-1015.	4.0	51
81	2D nitrogen-doped hierarchically porous carbon: Key role of low dimensional structure in favoring electrocatalysis and mass transfer for oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 447-454.	10.8	94
82	Improved ceramic and electrical properties of $\text{CaZrO}_3$ -based proton-conducting materials prepared by a new convenient combustion synthesis method. <i>Ceramics International</i> , 2017, 43, 7184-7192.	2.3	36
83	Highly effective oxygen reduction reaction electrocatalysis: Nitrogen-doped hierarchically mesoporous carbon derived from interpenetrated nonporous metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 260-266.	10.8	70
84	Active sites and mechanism on nitrogen-doped carbon catalyst for hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2017, 348, 151-159.	3.1	64
85	3D interconnected hierarchically porous N-doped carbon with $\text{NH}_3$ activation for efficient oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 57-66.	10.8	131
86	$\text{BaCe}_{0.5}\text{Zr}_{0.3}\text{Y}_{0.2}\text{xYb}_x\text{O}_{3-\delta}$ proton-conducting electrolytes for intermediate-temperature solid oxide fuel cells. <i>Electrochimica Acta</i> , 2017, 251, 554-561.	2.6	56
87	Grain and grain boundary transport in $\text{BaCe}_{0.5}\text{Zr}_{0.3}\text{Ln}_{0.2}\text{O}_{3-\delta}$ ( $\text{Ln} = \text{Y}$ or lanthanide) electrolytes attractive for protonic ceramic fuel cells application. <i>Journal of Power Sources</i> , 2017, 366, 161-168.	4.0	45
88	Electrochemical reduction of carbon dioxide at nanostructured $\text{SnO}_2$ /carbon aerogels: The effect of tin oxide content on the catalytic activity and formate selectivity. <i>Applied Catalysis A: General</i> , 2017, 545, 159-166.	2.2	49
89	Electrochemical Approach for Analyzing Electrolyte Transport Properties and Their Effect on Protonic Ceramic Fuel Cell Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26874-26884.	4.0	42
90	A detailed analysis of thermal and chemical compatibility of cathode materials suitable for $\text{BaCe}_{0.8}\text{Y}_{0.2}\text{O}_{3-\delta}$ and $\text{BaZr}_{0.8}\text{Y}_{0.2}\text{O}_{3-\delta}$ proton electrolytes for solid oxide fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1715-1723.	3.8	53



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91	Iron-embedded nitrogen doped carbon frameworks as robust catalyst for oxygen reduction reaction in microbial fuel cells. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 550-556.	10.8	148
92	Proton-Conducting Electrolytes for Solid Oxide Fuel Cell Applications. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2017, , 77-118.	0.3	12
93	Pt/CN-doped electrocatalysts: Superior electrocatalytic activity for methanol oxidation reaction and mechanistic insight into interfacial enhancement. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 541-548.	10.8	153
94	3D Co-N-doped hollow carbon spheres as excellent bifunctional electrocatalysts for oxygen reduction reaction and oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 477-484.	10.8	212
95	Non-Precious Electrocatalysts for Oxygen Reduction Reaction in Alkaline Media: Latest Achievements on Novel Carbon Materials. <i>Catalysts</i> , 2016, 6, 159.	1.6	49
96	Efficient Pt-free electrocatalyst for oxygen reduction reaction: Highly ordered mesoporous N and S co-doped carbon with saccharin as single-source molecular precursor. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 202-208.	10.8	93
97	Physico-chemical characterization and transport features of proton-conducting Sr-doped LaYO <sub>3</sub> electrolyte ceramics. <i>Journal of the European Ceramic Society</i> , 2016, 36, 2795-2800.	2.8	18
98	Recent activity in the development of proton-conducting oxides for high-temperature applications. <i>RSC Advances</i> , 2016, 6, 73222-73268.	1.7	188
99	A new Dy-doped BaCeO <sub>3</sub> –BaZrO <sub>3</sub> proton-conducting material as a promising electrolyte for reversible solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15390-15399.	5.2	97
100	A tape calendaring method as an effective way for the preparation of proton ceramic fuel cells with enhanced performance. <i>Electrochimica Acta</i> , 2016, 210, 681-688.	2.6	43
101	Crude bio-glycerol aqueous phase reforming and hydrogenolysis over commercial SiO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> nickel catalyst. <i>Renewable Energy</i> , 2016, 97, 373-379.	4.3	36
102	New Electro-Fenton Gas Diffusion Cathode based on Nitrogen-doped Graphene@Carbon Nanotube Composite Materials. <i>Electrochimica Acta</i> , 2016, 194, 228-238.	2.6	102
103	Acceptor doping effects on microstructure, thermal and electrical properties of proton-conducting BaCe <sub>0.5</sub> Zr <sub>0.3</sub> Ln <sub>0.2</sub> O <sub>3</sub> (Ln = Yb, Gd, Sm, Nd, La or Y) ceramics for solid oxide fuel cell applications. <i>Electrochimica Acta</i> , 2016, 192, 80-88.	2.6	45
104	Deposition and Characterization of Y-doped CaZrO <sub>3</sub> Electrolyte Film on a Porous SrTi <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> Substrate. <i>Electrochimica Acta</i> , 2016, 202, 39-46.	2.6	21
105	A novel sulfur-nitrogen dual doped ordered mesoporous carbon electrocatalyst for efficient oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 1-11.	10.8	123
106	Combined amperometric and potentiometric hydrogen sensors based on BaCe <sub>0.7</sub> Zr <sub>0.1</sub> Y <sub>0.2</sub> O <sub>3</sub> proton-conducting ceramic. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 175-182.	4.0	31
107	Characterization of proton-conducting electrolyte based on La <sub>0.9</sub> Sr <sub>0.1</sub> YO <sub>3</sub> and its application in a hydrogen amperometric sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 446-452.	4.0	33
108	Aqueous phase reforming (APR) of glycerol over platinum supported on Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Renewable Energy</i> , 2016, 85, 1116-1126.	4.3	52

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109	Hydrogenolysis of glycerol to propylene glycol by in situ produced hydrogen from aqueous phase reforming of glycerol over SiO <sub>2</sub> –Al <sub>2</sub> O <sub>3</sub> supported nickel catalyst. Fuel Processing Technology, 2016, 142, 135-146.	3.7	60
110	Advanced materials for SOFC application: Strategies for the development of highly conductive and stable solid oxide proton electrolytes. Progress in Materials Science, 2016, 75, 38-79.	16.0	285
111	Electrocatalytic activity of Vulcan-XC-72 supported Pd, Rh and Pd Rh toward HOR and ORR. Applied Catalysis B: Environmental, 2015, 174-175, 203-211.	10.8	38
112	Thermal expansion of materials in the barium cerate-zirconate system. Physics of the Solid State, 2015, 57, 285-289.	0.2	46
113	Effect of Nature of the Ceramic Component of the Composite Electrodes Based on La <sub>1.7</sub> Ca(Sr) <sub>0.3</sub> NiO <sub>4+δ</sub> on Their Electrochemical Performance. ECS Transactions, 2015, 68, 809-815.	0.3	8
114	A simple and low-cost amperometric sensor for measuring H <sub>2</sub> , CO, and CH <sub>4</sub> . Sensors and Actuators B: Chemical, 2015, 221, 879-883.	4.0	19
115	Polarization study of Fe BaCe <sub>0.5</sub> Zr <sub>0.3</sub> Y <sub>0.08</sub> Yb <sub>0.08</sub> Cu <sub>0.04</sub> O <sub>3-δ</sub>  Fe electrochemical cells in wet H <sub>2</sub> atmosphere. International Journal of Hydrogen Energy, 2015, 40, 14609-14615.	3.8	2
116	A thermodynamic analysis of hydrogen production via aqueous phase reforming of glycerol. Fuel Processing Technology, 2015, 134, 107-115.	3.7	32
117	Ceria promoted Pd/C catalysts for glucose electrooxidation in alkaline media. Applied Catalysis B: Environmental, 2015, 176-177, 233-239.	10.8	46
118	Textured BaCe <sub>0.5</sub> Zr <sub>0.3</sub> Ln <sub>0.2</sub> O <sub>3-δ</sub> (Ln = Yb, Y, Gd, Sm, Nd and La) ceramics obtained by the aid of solid-state reactive sintering method. Scripta Materialia, 2015, 109, 34-37.	2.6	8
119	Efficient and Stable Carbon-coated Nickel Foam Cathodes for the Electro-Fenton Process. Electrochimica Acta, 2015, 176, 811-818.	2.6	39
120	Electrocatalysts for Glucose Electrooxidation Reaction: A Review. Topics in Catalysis, 2015, 58, 1311-1327.	1.3	110
121	Insights on thermal and transport features of BaCe <sub>0.8</sub> Zr <sub>0.2</sub> O <sub>3-δ</sub> proton-conducting materials. Journal of Power Sources, 2015, 278, 436-444.	4.0	68
122	An investigation of WC stability during the preparation of Pt@WC/OMC via a pulse microwave assisted polyol method. Applied Catalysis B: Environmental, 2015, 166-167, 224-230.	10.8	13
123	Nitrogen-doped ordered mesoporous carbon: synthesis and active sites for electrocatalysis of oxygen reduction reaction. Applied Catalysis B: Environmental, 2015, 165, 566-571.	10.8	172
124	Preparation and characterization of a novel KOH activated graphite felt cathode for the electro-Fenton process. Applied Catalysis B: Environmental, 2015, 165, 360-368.	10.8	170
125	Sulfur and carbon tolerance of BaCeO <sub>3</sub> –BaZrO <sub>3</sub> proton-conducting materials. Journal of Power Sources, 2015, 273, 716-723.	4.0	67
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