Gasidit Panomsuwan

List of Publications by Year
in descending order

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84 papers	1,697 citations	448610 19 h-index	340414 39 g-index
86 all docs	86 docs citations	86 times ranked	2416 citing authors

#	Article	IF	Citations
1	MWCNT/Tiâ€doped ZnO nanocomposite as electrochemical sensor for detecting glutamate and ascorbic acid. International Journal of Applied Ceramic Technology, 2022, 19, 467-479.	1.1	8
2	Electrocatalytic Properties of a BaTiO3/MWCNT Composite for Citric Acid Detection. Catalysts, 2022, 12, 49.	1.6	2
3	Insights into binding mechanisms of size-selected graphene binders for flexible and conductive porous carbon electrodes. Electrochimica Acta, 2022, 403, 139696.	2.6	11
4	Synthesis and Characterization of Monetite from Calcium Carbonate Recovered from Carpet Waste. Journal of Physics: Conference Series, 2022, 2175, 012014.	0.3	0
5	Synthesis of nitrogen-doped carbons from single-source precursors by solution plasma. , 2022, , 475-505.		0
6	Graphitic Carbon Nitride Nanoflakes Decorated on Multielement-Doped Carbon as Photocatalysts for Bacterial Disinfection under Visible and Near-Infrared Light. ACS Applied Nano Materials, 2022, 5, 3422-3433.	2.4	13
7	Effect of pre-carbonization temperature on the porous structure and electrochemical properties of activated carbon fibers derived from kapok for supercapacitor applications. , 2022, 32, 55-64.		1
8	Enhanced Electrocatalytic Activity of Cobalt-Doped Ceria Embedded on Nitrogen, Sulfur-Doped Reduced Graphene Oxide as an Electrocatalyst for Oxygen Reduction Reaction. Catalysts, 2022, 12, 6.	1.6	9
9	Nitrogen-doped carbon derived from horse manure biomass as a catalyst for the oxygen reduction reaction. RSC Advances, 2022, 12, 17481-17489.	1.7	0
10	Cattail leaf-derived nitrogen-doped carbons via hydrothermal ammonia treatment for electrocatalytic oxygen reduction in an alkaline electrolyte. International Journal of Hydrogen Energy, 2022, 47, 24738-24749.	3.8	3
11	Nanoporous activated carbons derived from water ferns as an adsorbent for removal of paraquat from contaminated water. Materialia, 2021, 15, 100986.	1.3	21
12	Insight on Solution Plasma in Aqueous Solution and Their Application in Modification of Chitin and Chitosan. International Journal of Molecular Sciences, 2021, 22, 4308.	1.8	12
13	Zn-doped TiO2 nanoparticles for glutamate sensors. Ceramics International, 2021, 47, 21099-21107.	2.3	15
14	Facile In Situ Synthesis of Amphiphilic Carbon-Supported Pt: Innovative Catalyst Preparation for Proton Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2021, 4, 5606-5614.	2.5	5
15	Effect of Oxygen Partial Pressure on Crystal Structure, Oxygen Vacancy, and Surface Morphology of Epitaxial SrTiO3 Thin Films Grown by Ion Beam Sputter Deposition. Oxygen, 2021, 1, 62-72.	1.6	3
16	Conversion of industrial carpet waste into adsorbent materials for organic dye removal from water. Cleaner Engineering and Technology, 2021, 4, 100150.	2.1	14
17	Titanium dioxide and fluoropolymer-based coating for smart fabrics with antimicrobial and water-repellent properties. RSC Advances, 2021, 12, 588-594.	1.7	7
18	Au nanoparticle-decorated TiO₂ hollow fibers with enhanced visible-light photocatalytic activity toward dye degradation. RSC Advances, 2021, 12, 193-200.	1.7	6

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19	Single-Walled Carbon Nanotubes Wrapped by Cationic Nitrogen-Doped Carbon for Electrocatalytic Applications. ACS Applied Nano Materials, 2020, 3, 10183-10189.	2.4	14
20	N-doped Porous Carbon from Palm Male Flower via Hydrothermal Carbonization. IOP Conference Series: Materials Science and Engineering, 2020, 894, 012008.	0.3	1
21	Fast and Facile Synthesis of Pt Nanoparticles Supported on Ketjen Black by Solution Plasma Sputtering as Bifunctional HER/ORR Catalysts. Journal of Composites Science, 2020, 4, 121.	1.4	9
22	Horse Manure Derived Nitrogen-Doped Porous Carbon via Hydrothermal Carbonization for Promising Applications. Materials Science Forum, 2020, 990, 155-160.	0.3	0
23	Morphological and structural properties of barium strontium titanate nanopowders synthesized via a sol-gel method. Ferroelectrics, 2020, 554, 30-37.	0.3	5
24	Dielectric properties and discharge energy density of epoxy composites with 3D BaTiO3 network structure. Materials Letters, 2020, 270, 127695.	1.3	9
25	Synthesis of porous carbon materials from water hyacinth via hydrothermal carbonization assisted chemical activation for carbon-based electrode applications. AIP Conference Proceedings, 2020, , .	0.3	1
26	Synthesis of carbon nanofiber from horse manure via hydrothermal carbonization for dye adsorption. Materials Today: Proceedings, 2019, 17, 1326-1331.	0.9	2
27	In situ solution plasma synthesis of silver nanoparticles supported on nitrogen-doped carbons with enhanced oxygen reduction activity. Materials Letters, 2019, 251, 135-139.	1.3	20
28	Correlation between size and phase structure of crystalline BaTiO₃ particles synthesized by sol-gel method. Materials Research Express, 2019, 6, 065062.	0.8	17
29	p-Type Doping of Graphene with Cationic Nitrogen. ACS Applied Nano Materials, 2019, 2, 1350-1355.	2.4	48
30	Magnetic Carbon Nanofibers from Horse Manure via Hydrothermal Carbonization for Methylene Blue Adsorption. IOP Conference Series: Materials Science and Engineering, 2019, 540, 012006.	0.3	6
31	Nitriding an Oxygen-Doped Nanocarbonaceous Sorbent Synthesized via Solution Plasma Process for Improving CO2 Adsorption Capacity. Nanomaterials, 2019, 9, 1776.	1.9	6
32	Structural and dielectric properties of solâ€“gel derived Ba_{1â€“x}Sr_xTiO₃ (0 â‰¤ x â‰¤ 0.5) ceramics for energy storage applications. Materials Research Express, 2019, 6, 026310.	0.8	11
33	Fast and convenient growth of vertically aligned ZnO nanorods via microwave plasma-assisted thermal evaporation. Materials Letters, 2018, 224, 50-53.	1.3	15
34	Recycling Waste Soot from Merchant Ships to Produce Anode Materials for Rechargeable Lithium-Ion Batteries. Scientific Reports, 2018, 8, 5601.	1.6	13
35	In vitro cytotoxicity of carbon black nanoparticles synthesized from solution plasma on human lung fibroblast cells. Japanese Journal of Applied Physics, 2018, 57, 0102BG.	0.8	10
36	Accelerated formation of nanocarbons in solution plasma using benzene substituted with CF₃ group. Japanese Journal of Applied Physics, 2018, 57, 0102B6.	0.8	0

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37	A comparative study of dielectric and ferroelectric properties of solâ€“gel-derived BaTiO3 bulk ceramics with fine and coarse grains. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	11
38	Influence of hydrothermal and calcination process on metakaolin from natural clay. AIP Conference Proceedings, 2018, , .	0.3	2
39	Easy synthesis of TiO2 hollow fibers using kapok as a biotemplate for photocatalytic degradation of the herbicide paraquat. Materials Letters, 2018, 228, 482-485.	1.3	35
40	ThicknessâEDependent Strain Evolution of Epitaxial SrTiO₃ Thin Films Grown by Ion Beam Sputter Deposition. Crystal Research and Technology, 2018, 53, 1700211.	0.6	5
41	Fundamental Study of Carbon Materials Derived from Empty Fruit Bunch via Hydrothermal Carbonization. Walailak Journal of Science and Technology, 2018, 15, 779-786.	0.5	2
42	Synthesis of graphitic-N and amino-N in nitrogen-doped carbon via a solution plasma process and exploration of their synergic effect for advanced oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 2073-2082.	5.2	94
43	Synthesis of Carbon Nanoparticles from Used Motor Oil and Benzene via Solution Plasma Process. Key Engineering Materials, 2017, 751, 773-778.	0.4	0
44	Fastest Formation Routes of Nanocarbons in Solution Plasma Processes. Scientific Reports, 2016, 6, 36880.	1.6	79
45	Feâ€“N-doped carbon-based composite as an efficient and durable electrocatalyst for the oxygen reduction reaction. RSC Advances, 2016, 6, 114553-114559.	1.7	29
46	Electrocatalytic oxygen reduction on nitrogen-doped carbon nanoparticles derived from cyano-aromatic molecules via a solution plasma approach. Carbon, 2016, 98, 411-420.	5.4	76
47	Effects of halogen doping on nanocarbon catalysts synthesized by a solution plasma process for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2016, 18, 21843-21851.	1.3	38
48	DFT calculation of oxygen adsorption on a core-single shell ZnNb catalyst. RSC Advances, 2016, 6, 98091-98095.	1.7	3
49	Differences in intermediate structures and electronic states associated with oxygen adsorption onto Pt, Cu, and Au clusters as oxygen reduction catalysts. Journal Physics D: Applied Physics, 2016, 49, 415305.	1.3	5
50	Heterocarbon nanosheets incorporating iron phthalocyanine for oxygen reduction reaction in both alkaline and acidic media. Physical Chemistry Chemical Physics, 2016, 18, 10856-10863.	1.3	30
51	Nitrogen-Doped Carbon Nanoparticleâ€“Carbon Nanofiber Composite as an Efficient Metal-Free Cathode Catalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 6962-6971.	4.0	158
52	Effect of treatment time in the Mg(OH)2/Mgâ€“Al LDH composite film formed on Mg alloy AZ31 by steam coating on the corrosion resistance. Surface and Coatings Technology, 2016, 286, 172-177.	2.2	87
53	Non-thermal plasma technology for abatement of pollutant emission from marine diesel engine. Journal of Advanced Marine Engineering and Technology, 2016, 40, 929-934.	0.1	3
54	Fabrication of nickel nanoparticles-embedded carbon particles by solution plasma in waste vegetable oil. Journal of Advanced Marine Engineering and Technology, 2016, 40, 894-898.	0.1	0

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55	Degradation of synthetic dye in water by solution plasma process. Journal of Advanced Marine Engineering and Technology, 2016, 40, 888-893.	0.1	1
56	From Cyano-aromatic Molecules to Nitrogen-doped Carbons by Solution Plasma for the Oxygen Reduction Reaction in Alkaline Medium. Materials Today: Proceedings, 2015, 2, 4302-4308.	0.9	6
57	Simple one-step synthesis of fluorine-doped carbon nanoparticles as potential alternative metal-free electrocatalysts for oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 9972-9981.	5.2	160
58	Nitrogen-doped carbon nanoparticles derived from acrylonitrile plasma for electrochemical oxygen reduction. Physical Chemistry Chemical Physics, 2015, 17, 6227-6232.	1.3	76
59	Water-plasma-assisted synthesis of black titania spheres with efficient visible-light photocatalytic activity. Physical Chemistry Chemical Physics, 2015, 17, 13794-13799.	1.3	89
60	Electrocatalytic oxygen reduction activity of boron-doped carbon nanoparticles synthesized via solution plasma process. Electrochemistry Communications, 2015, 59, 81-85.	2.3	56
61	Growth of Highly (100)â€Oriented <scp><scp>SrTiO</scp></scp>₃ Thin Films on Si(111) Substrates Without Buffer Layer. Journal of the American Ceramic Society, 2014, 97, 1383-1385.	1.9	3
62	X-ray analysis of strain distribution in two-step grown epitaxial SrTiO3 thin films. Applied Physics Letters, 2014, 105, 051911.	1.5	2
63	Electrocatalytic activity for the oxygen reduction reaction of oxygen-containing nanocarbon synthesized by solution plasma. Journal of Materials Chemistry A, 2014, 2, 10589.	5.2	62
64	In situ solution plasma synthesis of nitrogen-doped carbon nanoparticles as metal-free electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 18677-18686.	5.2	96
65	Effect of growth temperature on structural and morphological evolution of epitaxial SrTiO3 thin films grown on LaAlO3 (001) substrates by ion beam sputter deposition. Vacuum, 2014, 109, 175-179.	1.6	8
66	A novel one-step synthesis of gold nanoparticles in an alginate gel matrix by solution plasma sputtering. RSC Advances, 2014, 4, 1622-1629.	1.7	54
67	Controlled crystalline orientation of SrTiO3 thin films grown on Pt(111)/Ti/Î±-Al2O3(0001) substrates: Effect of growth temperature and Ti layer thickness. Applied Surface Science, 2014, 309, 95-105.	3.1	3
68	Solution Plasma Synthesis of Nitrogen-Doped Carbon Nanoballs as Effective Metal-Free Electrocatalysts for Oxygen Reduction Reaction. Materials Research Society Symposia Proceedings, 2014, 1641, 1.	0.1	1
69	Nanomechanical Properties of Amorphous and Polycrystalline SrTiO3 Transparent Thin Films Prepared by Ion Beam Sputtering. Journal of Materials Engineering and Performance, 2013, 22, 863-868.	1.2	4
70	Fabrication and characterization of epitaxial SrTiO3/Nb-doped SrTiO3 superlattices by double ECR ion beam sputter deposition. Vacuum, 2013, 89, 35-39.	1.6	4
71	Growth of highly (110)- and (111)-textured SrTiO3 thin films on Pt(111)/Î±-Al2O3(0001) substrates by ECR ion beam sputter deposition. Solid State Communications, 2013, 158, 65-69.	0.9	6
72	In situ Preparation of Gold Nanoparticles in Alginate Gel Matrix by Solution Plasma Sputtering Process. Materials Research Society Symposia Proceedings, 2013, 1569, 151-155.	0.1	1

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73	Epitaxial growth of (111)-oriented BaTiO₃/SrTiO₃ perovskite superlattices on Pt(111)/Ti/Al₂O₃(0001) substrates. Applied Physics Letters, 2013, 103, 112902.	1.5	15
74	Optical and mechanical properties of transparent SrTiO₃ thin films deposited by ECR ion beam sputter deposition. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 311-319.	0.8	17
75	Gold Nanoparticles Supported on SrTiO₃ by Solution Plasma Sputter Deposition for Enhancing UV- and Visible-light Photocatalytic Efficiency. Materials Research Society Symposia Proceedings, 2013, 1509, 1.	0.1	6
76	Influence of Oxygen to Argon Ratio on the Structural and Morphological Properties of Nb-Doped SrTiO₃ Epitaxial Films Grown by Reactive Ion Beam Sputter Deposition. Crystal Structure Theory and Applications, 2013, 02, 34-38.	0.3	0
77	Orientation control of textured SrTiO₃ thin films on platinized Î±-Al₂O₃ (0â€‰0â€‰0â€‰1) by an ion beam sputter deposition method. Journal Physics D: Applied Physics, 2012, 45, 494003.	1.3	5
78	Growth and characterization of highly câ€axis textured SrTiO₃ thin films directly grown on Si(001) substrates by ion beam sputter deposition. Crystal Research and Technology, 2012, 47, 187-194.	0.6	9
79	Enhanced memory window of Au/BaTiO3/SrTiO3/Si(001) MFIS structure with high c-axis orientation for non-volatile memory applications. Applied Physics A: Materials Science and Processing, 2012, 108, 337-342.	1.1	25
80	Synthesis of Polybenzoxazine and Nano-Barium Titanate for a Novel Composite. , 2007, , .		2
81	Structural Properties and Microstructures of SrTiO₃/SrTi_{1-x}Nb_xO₃ Superlattices Grown by Ion Beam Deposition. Materials Science Forum, 0, 695, 598-601.	0.3	0
82	Influence of Crystallization Time for Synthesis of Zeolite A and Zeolite X from Natural Kaolin. Key Engineering Materials, 0, 824, 231-235.	0.4	4
83	Transformation of Waste Marigold Flowers into Porous Carbons via Hydrothermal Carbonization. Key Engineering Materials, 0, 824, 23-29.	0.4	1
84	Synthesis of Zeolite X from Bentonite via Hydrothermal Method. Materials Science Forum, 0, 990, 144-148.	0.3	5