Nguyen Viet Long

List of Publications by Year
in descending order

53 papers	1,875 citations	257450 24 h-index	265206 42 g-index
53 all docs	53 docs citations	53 times ranked	2958 citing authors

#	Article	IF	Citations
1	Visualized SERS Imaging of Single Molecule by Ag/Black Phosphorus Nanosheets. Nano-Micro Letters, 2022, 14, 75.	27.0	43
2	Pt-Based Multimetal Electrocatalysts and Potential Applications: Recent Advancements in the Synthesis of Nanoparticles by Modified Polyol Methods. Crystals, 2022, 12, 375.	2.2	10
3	Multifunctional self-assembly 3D Ag/g-C3N4/RGO aerogel as highly efficient adsorbent and photocatalyst for R6G removal from wastewater. Applied Surface Science, 2021, 542, 148584.	6.1	57
4	Natural clay minerals and fly ash waste as green catalysts for heterogeneous photo-Fenton reactions. New Journal of Chemistry, 2021, 45, 18552-18566.	2.8	5
5	Fly ash-, foundry sand-, clay-, and pumice-based metal oxide nanocomposites as green photocatalysts. RSC Advances, 2021, 11, 30805-30826.	3.6	19
6	The development of biomass-derived carbon-based photocatalysts for the visible-light-driven photodegradation of pollutants: a comprehensive review. RSC Advances, 2021, 11, 30574-30596.	3.6	26
7	Isothermal models of Chromium (VI) adsorption by using Fe3O4 nanoparticles. Metallurgical and Materials Engineering, 2021, 27, 289-299.	0.5	2
8	Controlled Synthesis of Au Nanoparticles by Modified Polyol Methods: Determination of Their Size, Shape, and Crystal Structure. Crystals, 2021, 11, 1297.	2.2	5
9	Hydrothermal assisted conventional sol-gel method for synthesis of bioactive glass 70S30CÑ‹. Kondensirovannye Sredy Mezhfaznye Granitsy, 2021, 23, 585-593.	0.3	1
10	Hierarchical micro/nanoscale NdFe11Co oxide and alloy materials synthesized by polyol mediated methods with heat treatment. Materials Letters, 2018, 212, 202-206.	2.6	5
11	Exploration of gamma radiation shielding features for titanate bismuth borotellurite glasses using relevant software program and Monte Carlo simulation code. Journal of Non-Crystalline Solids, 2018, 481, 65-73.	3.1	57
12	Green and Sensitive Flexible Semiconductor SERS Substrates: Hydrogenated Black TiO₂ Nanowires. ACS Applied Nano Materials, 2018, 1, 4516-4527.	5.0	60
13	Synthesis of Ptâ€“Pd Bimetallic Porous Nanostructures as Electrocatalysts for the Methanol Oxidation Reaction. Nanomaterials, 2018, 8, 208.	4.1	24
14	Controlled Synthesis and Magnetic Properties of Uniform Hierarchical Polyhedral Î±-Fe2O3 Particles. Journal of Electronic Materials, 2017, 46, 3301-3308.	2.2	10
15	High magnetisation, monodisperse and water-dispersible CoFe@Pt core/shell nanoparticles. Nanoscale, 2017, 9, 8952-8961.	5.6	16
16	Polyol-Mediated Synthesis, Microstructure and Magnetic Properties of Hierarchical Sphere, Rod, and Polyhedral Î±-Fe2O3 Oxide Particles. Journal of Electronic Materials, 2017, 46, 3615-3621.	2.2	8
17	Fabrication of Semiconductor ZnO Nanostructures for Versatile SERS Application. Nanomaterials, 2017, 7, 398.	4.1	64
18	Controlled Synthesis and Ferrimagnetism of Homogeneous Hierarchical CoFe2O4 Particles. Journal of Electronic Materials, 2017, 46, 6001-6008.	2.2	4

#	Article	IF	Citations
19	Related magnetic properties of CoFe₂O₄ cobalt ferrite particles synthesised by the polyol method with NaBH₄ and heat treatment: new micro and nanoscale structures. RSC Advances, 2015, 5, 56560-56569.	3.6	51
20	Biomedical Applications of Advanced Multifunctional Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2015, 15, 10091-10107.	0.9	60
21	Synthesis and magnetism of hierarchical iron oxide particles. Materials and Design, 2015, 86, 797-808.	7.0	38
22	Engineering of SERS Substrates Based on Noble Metal Nanomaterials for Chemical and Biomedical Applications. Applied Spectroscopy Reviews, 2015, 50, 499-525.	6.7	89
23	Hydrogenated black TiO₂ nanowires decorated with Ag nanoparticles as sensitive and reusable surface-enhanced Raman scattering substrates. RSC Advances, 2015, 5, 34737-34743.	3.6	33
24	Large-scale template-free synthesis of ordered mesoporous platinum nanocubes and their electrocatalytic properties. Nanoscale, 2015, 7, 19461-19467.	5.6	20
25	Controlled synthesis and characterization of iron oxide micro-particles for Fe-air battery electrode material. Colloid and Polymer Science, 2015, 293, 49-63.	2.1	13
26	Iron Oxide Nanoparticles for Next Generation Gas Sensors. International Journal of Metallurgical & Materials Engineering, 2015, 1, .	0.1	30
27	Synthesis and Characterization of Fe-Based Metal and Oxide Based Nanoparticles: Discoveries and Research Highlights of Potential Applications in Biology and Medicine. Recent Patents on Nanotechnology, 2014, 8, 52-61.	1.3	22
28	Controlled Synthesis of Porous Platinum Nanostructures for Catalytic Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 1194-1208.	0.9	9
29	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. RSC Advances, 2014, 4, 6383.	3.6	29
30	Gas-sensing properties of p-type Î±-Fe2O3 polyhedral particles synthesized via a modified polyol method. RSC Advances, 2014, 4, 8250.	3.6	38
31	Ultra-high stability and durability of iron oxide micro- and nano-structures with discovery of new three-dimensional structural formation of grain and boundary. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 184-194.	4.7	13
32	The Recent Patents and Highlights of Functionally Engineered Nanoparticles for Potential Applications in Biology, Medicine, and Nanomedicine. Current Physical Chemistry, 2014, 4, 173-194.	0.2	7
33	The development of mixture, alloy, and core-shell nanocatalysts with nanomaterial supports for energy conversion in low-temperature fuel cells. Nano Energy, 2013, 2, 636-676.	16.0	246
34	Glucose biosensor based on platinum nanowires: a clinical study. International Journal of Nanotechnology, 2013, 10, 166.	0.2	5
35	Detection of biomarker p53 mutated gene by a silicon nanowire nanosensor. International Journal of Nanotechnology, 2013, 10, 178.	0.2	3
36	Synthesis and Self-Assembly of Gold Nanoparticles by Chemically Modified Polyol Methods under Experimental Control. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	11

#	Article	IF	Citations
37	Platinum and Palladium Nano-Structured Catalysts for Polymer Electrolyte Fuel Cells and Direct Methanol Fuel Cells. Journal of Nanoscience and Nanotechnology, 2013, 13, 4799-4824.	0.9	44
38	Sharp cubic and octahedral morphologies of poly(vinylpyrrolidone)-stabilised platinum nanoparticles by polyol method in ethylene glycol: their nucleation, growth and formation mechanisms. Journal of Experimental Nanoscience, 2012, 7, 133-149.	2.4	17
39	New Experimental Evidences of Ptâ€“Pd Bimetallic Nanoparticles with Coreâ€“Shell Configuration and Highly Fine-Ordered Nanostructures by High-Resolution Electron Transmission Microscopy. Journal of Physical Chemistry C, 2012, 116, 12265-12274.	3.1	39
40	Novel issues of morphology, size, and structure of Pt nanoparticles in chemical engineering: surface attachment, aggregation or agglomeration, assembly, and structural changes. New Journal of Chemistry, 2012, 36, 1320.	2.8	38
41	Controlled synthesis and properties of palladium nanoparticles. Journal of Experimental Nanoscience, 2012, 7, 426-439.	2.4	17
42	Experimental Evidences of Crystal Nucleation and Growth of Platinum Nanoparticles with Most Characteristic Roughness Heteromorphologies and Nanostructures from Homogeneous Solution. Journal of Advanced Microscopy Research, 2012, 7, 98-117.	0.3	2
43	Pt and Pd Based Catalysts with Novel Alloy and Core-Shell Nanostructures for Practical Applications in Next Fuel Cells: Patents and Highlights. Recent Patents on Materials Science, 2012, 5, 175-190.	0.5	6
44	Synthesis and characterization of Ptâ€“Pd nanoparticles with core-shell morphology: Nucleation and overgrowth of the Pd shells on the as-prepared and defined Pt seeds. Journal of Alloys and Compounds, 2011, 509, 7702-7709.	5.5	28
45	Shape-controlled synthesis of Ptâ€“Pd coreâ€“shell nanoparticles exhibiting polyhedral morphologies by modified polyol method. Acta Materialia, 2011, 59, 2901-2907.	7.9	58
46	A comparative study of Pt and Ptâ€“Pd coreâ€“shell nanocatalysts. Electrochimica Acta, 2011, 56, 9133-9143.	5.2	68
47	Synthesis and characterization of polyhedral and quasi-sphere non-polyhedral Pt nanoparticles: effects of their various surface morphologies and sizes on electrocatalytic activity for fuel cell applications. Journal of Nanoparticle Research, 2011, 13, 5177-5191.	1.9	18
48	Effects of heat treatment and poly(vinylpyrrolidone) (PVP) polymer on electrocatalytic activity of polyhedral Pt nanoparticles towards their methanol oxidation. Colloid and Polymer Science, 2011, 289, 1373-1386.	2.1	66
49	Synthesis and characterization of Ptâ€“Pd alloy and core-shell bimetallic nanoparticles for direct methanol fuel cells (DMFCs): Enhanced electrocatalytic properties of well-shaped core-shell morphologies and nanostructures. International Journal of Hydrogen Energy, 2011, 36, 8478-8491.	7.1	146
50	Synthesis and characterization of polyhedral Pt nanoparticles: Their catalytic property, surface attachment, self-aggregation and assembly. Journal of Colloid and Interface Science, 2011, 359, 339-350.	9.4	62
51	Highly monodisperse cubic and octahedral rhodium nanocrystals: Their evolutions from sharp polyhedrons into branched nanostructures and surface-enhanced Raman scattering. Journal of Crystal Growth, 2011, 320, 78-89.	1.5	23
52	Directed and random self-assembly of Ptâ€“Au nanoparticles. Materials Chemistry and Physics, 2010, 124, 1193-1197.	4.0	15
53	The synthesis and characterization of platinum nanoparticles: a method of controlling the size and morphology. Nanotechnology, 2010, 21, 035605.	2.6	95