

# Nguyen Viet Long

## List of Publications by Year in descending order

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53  
papers

1,875  
citations

293460

24  
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299063

42  
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53  
all docs

53  
docs citations

53  
times ranked

3335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualized SERS Imaging of Single Molecule by Ag/Black Phosphorus Nanosheets. <i>Nano-Micro Letters</i> , 2022, 14, 75.	14.4	43
2	Pt-Based Multimetal Electrocatalysts and Potential Applications: Recent Advancements in the Synthesis of Nanoparticles by Modified Polyol Methods. <i>Crystals</i> , 2022, 12, 375.	1.0	10
3	Multifunctional self-assembly 3D Ag/g-C <sub>3</sub> N <sub>4</sub> /RGO aerogel as highly efficient adsorbent and photocatalyst for R6G removal from wastewater. <i>Applied Surface Science</i> , 2021, 542, 148584.	3.1	57
4	Natural clay minerals and fly ash waste as green catalysts for heterogeneous photo-Fenton reactions. <i>New Journal of Chemistry</i> , 2021, 45, 18552-18566.	1.4	5
5	Fly ash-, foundry sand-, clay-, and pumice-based metal oxide nanocomposites as green photocatalysts. <i>RSC Advances</i> , 2021, 11, 30805-30826.	1.7	19
6	The development of biomass-derived carbon-based photocatalysts for the visible-light-driven photodegradation of pollutants: a comprehensive review. <i>RSC Advances</i> , 2021, 11, 30574-30596.	1.7	26
7	Isothermal models of Chromium (VI) adsorption by using Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Metallurgical and Materials Engineering</i> , 2021, 27, 289-299.	0.2	2
8	Controlled Synthesis of Au Nanoparticles by Modified Polyol Methods: Determination of Their Size, Shape, and Crystal Structure. <i>Crystals</i> , 2021, 11, 1297.	1.0	5
9	Hydrothermal assisted conventional sol-gel method for synthesis of bioactive glass 70S30C $\bar{N}$ . <i>Kondensirovannye Sredy Mezhfaznye Granitsy</i> , 2021, 23, 585-593.	0.1	1
10	Hierarchical micro/nanoscale NdFe <sub>11</sub> Co oxide and alloy materials synthesized by polyol mediated methods with heat treatment. <i>Materials Letters</i> , 2018, 212, 202-206.	1.3	5
11	Exploration of gamma radiation shielding features for titanate bismuth borotellurite glasses using relevant software program and Monte Carlo simulation code. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 65-73.	1.5	57
12	Green and Sensitive Flexible Semiconductor SERS Substrates: Hydrogenated Black TiO <sub>2</sub> Nanowires. <i>ACS Applied Nano Materials</i> , 2018, 1, 4516-4527.	2.4	60
13	Synthesis of Pt-Pd Bimetallic Porous Nanostructures as Electrocatalysts for the Methanol Oxidation Reaction. <i>Nanomaterials</i> , 2018, 8, 208.	1.9	24
14	Controlled Synthesis and Magnetic Properties of Uniform Hierarchical Polyhedral $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 3301-3308.	1.0	10
15	High magnetisation, monodisperse and water-dispersible CoFe@Pt core/shell nanoparticles. <i>Nanoscale</i> , 2017, 9, 8952-8961.	2.8	16
16	Polyol-Mediated Synthesis, Microstructure and Magnetic Properties of Hierarchical Sphere, Rod, and Polyhedral $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Oxide Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 3615-3621.	1.0	8
17	Fabrication of Semiconductor ZnO Nanostructures for Versatile SERS Application. <i>Nanomaterials</i> , 2017, 7, 398.	1.9	64
18	Controlled Synthesis and Ferrimagnetism of Homogeneous Hierarchical CoFe <sub>2</sub> O <sub>4</sub> Particles. <i>Journal of Electronic Materials</i> , 2017, 46, 6001-6008.	1.0	4

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19	Related magnetic properties of $\text{CoFe}_2\text{O}_4$ cobalt ferrite particles synthesised by the polyol method with $\text{NaBH}_4$ and heat treatment: new micro and nanoscale structures. <i>RSC Advances</i> , 2015, 5, 56560-56569.	1.7	51
20	Biomedical Applications of Advanced Multifunctional Magnetic Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 10091-10107.	0.9	60
21	Synthesis and magnetism of hierarchical iron oxide particles. <i>Materials and Design</i> , 2015, 86, 797-808.	3.3	38
22	Engineering of SERS Substrates Based on Noble Metal Nanomaterials for Chemical and Biomedical Applications. <i>Applied Spectroscopy Reviews</i> , 2015, 50, 499-525.	3.4	89
23	Hydrogenated black $\text{TiO}_2$ nanowires decorated with Ag nanoparticles as sensitive and reusable surface-enhanced Raman scattering substrates. <i>RSC Advances</i> , 2015, 5, 34737-34743.	1.7	33
24	Large-scale template-free synthesis of ordered mesoporous platinum nanocubes and their electrocatalytic properties. <i>Nanoscale</i> , 2015, 7, 19461-19467.	2.8	20
25	Controlled synthesis and characterization of iron oxide micro-particles for Fe-air battery electrode material. <i>Colloid and Polymer Science</i> , 2015, 293, 49-63.	1.0	13
26	Iron Oxide Nanoparticles for Next Generation Gas Sensors. <i>International Journal of Metallurgical &amp; Materials Engineering</i> , 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. <i>Recent Patents on Nanotechnology</i> , 2014, 8, 52-61.	0.7	22
28	Controlled Synthesis of Porous Platinum Nanostructures for Catalytic Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>RSC Advances</i> , 2014, 4, 6383.	1.7	29
30	Gas-sensing properties of p-type $\hat{\pm}\text{-Fe}_2\text{O}_3$ polyhedral particles synthesized via a modified polyol method. <i>RSC Advances</i> , 2014, 4, 8250.	1.7	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 184-194.	2.3	13
32	The Recent Patents and Highlights of Functionally Engineered Nanoparticles for Potential Applications in Biology, Medicine, and Nanomedicine. <i>Current Physical Chemistry</i> , 2014, 4, 173-194.	0.1	7
33	The development of mixture, alloy, and core-shell nanocatalysts with nanomaterial supports for energy conversion in low-temperature fuel cells. <i>Nano Energy</i> , 2013, 2, 636-676.	8.2	246
34	Glucose biosensor based on platinum nanowires: a clinical study. <i>International Journal of Nanotechnology</i> , 2013, 10, 166.	0.1	5
35	Detection of biomarker p53 mutated gene by a silicon nanowire nanosensor. <i>International Journal of Nanotechnology</i> , 2013, 10, 178.	0.1	3
36	Synthesis and Self-Assembly of Gold Nanoparticles by Chemically Modified Polyol Methods under Experimental Control. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	11

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37	Platinum and Palladium Nano-Structured Catalysts for Polymer Electrolyte Fuel Cells and Direct Methanol Fuel Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 133-149.	1.3	17
39	New Experimental Evidences of Pt-Pd Bimetallic Nanoparticles with Core-Shell Configuration and Highly Fine-Ordered Nanostructures by High-Resolution Electron Transmission Microscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12265-12274.	1.5	39
40	Novel issues of morphology, size, and structure of Pt nanoparticles in chemical engineering: surface attachment, aggregation or agglomeration, assembly, and structural changes. <i>New Journal of Chemistry</i> , 2012, 36, 1320.	1.4	38
41	Controlled synthesis and properties of palladium nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 426-439.	1.3	17
42	Experimental Evidences of Crystal Nucleation and Growth of Platinum Nanoparticles with Most Characteristic Roughness Heteromorphologies and Nanostructures from Homogeneous Solution. <i>Journal of Advanced Microscopy Research</i> , 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. <i>Recent Patents on Materials Science</i> , 2012, 5, 175-190.	0.5	6
44	Synthesis and characterization of Pt-Pd nanoparticles with core-shell morphology: Nucleation and overgrowth of the Pd shells on the as-prepared and defined Pt seeds. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7702-7709.	2.8	28
45	Shape-controlled synthesis of Pt-Pd core-shell nanoparticles exhibiting polyhedral morphologies by modified polyol method. <i>Acta Materialia</i> , 2011, 59, 2901-2907.	3.8	58
46	A comparative study of Pt and Pt-Pd core-shell nanocatalysts. <i>Electrochimica Acta</i> , 2011, 56, 9133-9143.	2.6	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. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5177-5191.	0.8	18
48	Effects of heat treatment and poly(vinylpyrrolidone) (PVP) polymer on electrocatalytic activity of polyhedral Pt nanoparticles towards their methanol oxidation. <i>Colloid and Polymer Science</i> , 2011, 289, 1373-1386.	1.0	66
49	Synthesis and characterization of Pt-Pd alloy and core-shell bimetallic nanoparticles for direct methanol fuel cells (DMFCs): Enhanced electrocatalytic properties of well-shaped core-shell morphologies and nanostructures. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8478-8491.	3.8	146
50	Synthesis and characterization of polyhedral Pt nanoparticles: Their catalytic property, surface attachment, self-aggregation and assembly. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 339-350.	5.0	62
51	Highly monodisperse cubic and octahedral rhodium nanocrystals: Their evolutions from sharp polyhedrons into branched nanostructures and surface-enhanced Raman scattering. <i>Journal of Crystal Growth</i> , 2011, 320, 78-89.	0.7	23
52	Directed and random self-assembly of Pt-Au nanoparticles. <i>Materials Chemistry and Physics</i> , 2010, 124, 1193-1197.	2.0	15
53	The synthesis and characterization of platinum nanoparticles: a method of controlling the size and morphology. <i>Nanotechnology</i> , 2010, 21, 035605.	1.3	95