

Tran Quang Huy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,872
citations

24
h-index

41
g-index

81
ext. papers

2,267
ext. citations

3.3
avg, IF

5.13
L-index

#	Paper	IF	Citations
75	AuNPs-Modified Screen-Printed Electrodes (SPCE and SPpTE) for Enhanced Direct Detection of Chloramphenicol. <i>Journal of Electronic Materials</i> , 2022 , 51, 1669	1.9	1
74	Enhancing Electron Transfer and Stability of Screen-Printed Carbon Electrodes Modified with AgNP-Reduced Graphene Oxide Nanocomposite. <i>Journal of Electronic Materials</i> , 2022 , 51, 1004-1012	1.9	0
73	Gold nanoparticles-based SERS nanosensor for thiram and chloramphenicol monitoring in food samples: Insight into effects of analyte molecular structure on their sensing performance and signal enhancement. <i>Applied Surface Science</i> , 2022 , 584, 152555	6.7	2
72	Gold nanoparticle-based optical nanosensors for food and health safety monitoring: recent advances and future perspectives.. <i>RSC Advances</i> , 2022 , 12, 10950-10988	3.7	5
71	Silver Nanoparticles-Based SERS Platform towards Detecting Chloramphenicol and Amoxicillin: An Experimental Insight into the Role of HOMO-LUMO Energy Levels of the Analyte in the SERS Signal and Charge Transfer Process. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 7778-7790	3.8	0
70	Characterization of Co ²⁺ - and Fe ³⁺ -Codoped TiO ₂ Nanomaterials for Photocatalytic Degradation of Organic Pollutants under Visible Light Irradiation. <i>Adsorption Science and Technology</i> , 2021 , 2021, 1-12	3.6	2
69	A hybrid design of Ag-decorated ZnO on layered nanomaterials (MgAC) with photocatalytic and antibacterial dual-functional abilities.. <i>RSC Advances</i> , 2021 , 11, 38578-38588	3.7	0
68	A label-free electrochemical biosensor based on screen-printed electrodes modified with gold nanoparticles for quick detection of bacterial pathogens. <i>Materials Today Communications</i> , 2021 , 26, 101726	2.5	21
67	Functionalized silver nanoparticles-based efficient colorimetric platform: Effects of surface capping agents on the sensing response of thiram pesticide in environmental water samples. <i>Materials Research Bulletin</i> , 2021 , 139, 111278	5.1	6
66	Ultrasensitive determination of chloramphenicol in pork and chicken meat samples using a portable electrochemical sensor: effects of 2D nanomaterials on the sensing performance and stability. <i>New Journal of Chemistry</i> , 2021 , 45, 7622-7636	3.6	6
65	Scalable Electrochemical Synthesis of Novel Biogenic Silver Nanoparticles and Its Application to High-Sensitive Detection of 4-Nitrophenol in Aqueous System. <i>Advances in Polymer Technology</i> , 2021 , 2021, 1-9	1.9	7
64	Roles of Phase Purity and Crystallinity on Chloramphenicol Sensing Performance of CuCo ₂ O ₄ /CuFe ₂ O ₄ -based Electrochemical Nanosensors. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 026506	3.9	10
63	Enhanced adsorption efficiency of inorganic chromium (VI) ions by using carbon-encapsulated hematite nanocubes. <i>Journal of Science: Advanced Materials and Devices</i> , 2020 , 5, 392-399	4.2	8
62	Functionalized-AgNPs for Long-Term Stability and Its Applicability in the Detection of Manganese Ions. <i>Advances in Polymer Technology</i> , 2020 , 2020, 1-9	1.9	8
61	Photocatalytic activity enhancement of Bi ₂ WO ₆ nanoparticles by Ag doping and Ag nanoparticles modification. <i>Journal of Alloys and Compounds</i> , 2020 , 824, 153914	5.7	34
60	Recent Advances of Silver Nanoparticles in Cancer Diagnosis and Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020 , 20, 1276-1287	2.2	27
59	Preparation of Rice Husk Biochar-Based Magnetic Nanocomposite for Effective Removal of Crystal Violet. <i>Journal of Electronic Materials</i> , 2020 , 49, 1142-1149	1.9	10

58	Electrochemical stability of screen-printed electrodes modified with Au nanoparticles for detection of methicillin-resistant <i>Staphylococcus aureus</i> . <i>Materials Chemistry and Physics</i> , 2020 , 255, 123562	4.4	14
57	Enhanced biomineralization and protein adsorption capacity of 3D chitosan/hydroxyapatite biomimetic scaffolds applied for bone-tissue engineering.. <i>RSC Advances</i> , 2020 , 10, 43045-43057	3.7	14
56	Spinel ferrite (AF ₂ O)-based heterostructured designs for lithium-ion battery, environmental monitoring, and biomedical applications.. <i>RSC Advances</i> , 2020 , 10, 31622-31661	3.7	25
55	Reduced graphene oxide-wrapped silver nanoparticles for applications in ultrasensitive colorimetric detection of Cr(VI) ions and the carbaryl pesticide. <i>New Journal of Chemistry</i> , 2020 , 44, 7611-7620	3.6	15
54	Graphene-MnFe ₂ O ₄ -polypyrrole ternary hybrids with synergistic effect for supercapacitor electrode. <i>Electrochimica Acta</i> , 2019 , 314, 151-160	6.7	38
53	Stable Electrochemical Measurements of Platinum Screen-Printed Electrodes Modified with Vertical ZnO Nanorods for Bacterial Detection. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-9	3.2	7
52	Preparation and Characterization of Aminosilane-Functionalized Magnetic Antibody Conjugates for Bacterial Recognition and Capture. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	1
51	APTES Functionalized Iron Oxide/Silver Magnetic Hetero-Nanocomposites for Selective Capture and Rapid Removal of <i>Salmonella enteritidis</i> from Aqueous Solution. <i>Journal of Electronic Materials</i> , 2018 , 47, 2851-2860	1.9	3
50	Multiselective visual gas sensor using nickel oxide nanowires as chemiresistor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2785-2793	8.5	34
49	Two-Step Hydrothermal Synthesis of Bifunctional Hematite/Silver Heterodimer Nanoparticles for Potential Antibacterial and Anticancer Applications. <i>Journal of Electronic Materials</i> , 2017 , 46, 3323-3332	1.9	4
48	Selective hydrogen sensor for liquefied petroleum gas steam reforming fuel cell systems. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 740-748	6.7	18
47	Functional Iron Oxide/Silver Hetero-Nanocomposites: Controlled Synthesis and Antibacterial Activity. <i>Journal of Electronic Materials</i> , 2017 , 46, 3381-3389	1.9	13
46	Antibacterial Activity of Electrochemically Synthesized Colloidal Silver Nanoparticles Against Hospital-Acquired Infections. <i>Journal of Electronic Materials</i> , 2017 , 46, 3433-3439	1.9	7
45	Hydrothermal Synthesis of Hydroxyapatite Nanorods for Rapid Formation of Bone-Like Mineralization. <i>Journal of Electronic Materials</i> , 2017 , 46, 5064-5072	1.9	18
44	Synthesis, Structural Characterization and Up-Conversion Luminescence Properties of NaYF ₄ :Er ³⁺ ,Yb ³⁺ @MOFs Nanocomposites. <i>Journal of Electronic Materials</i> , 2017 , 46, 6063-6069	1.9	3
43	Photochemical Decoration of Silver Nanocrystals on Magnetic MnFe ₂ O ₄ Nanoparticles and Their Applications in Antibacterial Agents and SERS-Based Detection. <i>Journal of Electronic Materials</i> , 2017 , 46, 3412-3421	1.9	5
42	Cytotoxicity and antiviral activity of electrochemical - synthesized silver nanoparticles against poliovirus. <i>Journal of Virological Methods</i> , 2017 , 241, 52-57	2.6	90
41	Facile Preparation of Chitosan Films for High Performance Removal of Reactive Blue 19 Dye from Aqueous Solution. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 146-155	4.5	14

40	Facile Synthesis and Excellent Adsorption Property of GO-Fe ₃ O ₄ Magnetic Nanohybrids for Removal of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9544-9556	1.3	11
39	Green synthesis of colloidal silver nanoparticles through electrochemical method and their antibacterial activity. <i>Materials Letters</i> , 2016 , 181, 173-177	3.3	53
38	Multiwalled carbon nanotubes/silver nanocomposite as effective SERS platform for detection of methylene blue dye in water. <i>Journal of Science: Advanced Materials and Devices</i> , 2016 , 1, 84-89	4.2	10
37	Application of Graphene Oxide-MnFe ₂ O ₄ Magnetic Nanohybrids as Magnetically Separable Adsorbent for Highly Efficient Removal of Arsenic from Water. <i>Journal of Electronic Materials</i> , 2016 , 45, 2372-2380	1.9	27
36	Graphene Oxide/Silver Nanohybrid as Multi-functional Material for Highly Efficient Bacterial Disinfection and Detection of Organic Dye. <i>Journal of Electronic Materials</i> , 2016 , 45, 5321-5333	1.9	14
35	Detection of vibrio cholerae O1 by using cerium oxide nanowires - based immunosensor with different antibody immobilization methods. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 1235-1245	0.6	9
34	Dual-selective hydrogen and ethanol sensor for steam reforming systems. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 1011-1019	8.5	24
33	Synthesis, Characterizations of Superparamagnetic Fe ₃ O ₄ -Ag Hybrid Nanoparticles and Their Application for Highly Effective Bacteria Inactivation. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 5902-12	1.3	33
32	Coral Mucus Is a Hot Spot for Viral Infections. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 5773-834.8		27
31	Nanomaterials for Biomedical Applications and Environmental Monitoring. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-2	3.2	
30	Viruses Occur Incorporated in Biogenic High-Mg Calcite from Hypersaline Microbial Mats. <i>PLoS ONE</i> , 2015 , 10, e0130552	3.7	14
29	Decoration of Silver Nanoparticles on Multiwalled Carbon Nanotubes: Antibacterial Mechanism and Ultrastructural Analysis. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-11	3.2	38
28	Water-dispersible silver nanoparticles-decorated carbon nanomaterials: synthesis and enhanced antibacterial activity. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 85-95	2.6	28
27	Coral-associated viruses and bacteria in the Ha Long Bay, Vietnam. <i>Aquatic Microbial Ecology</i> , 2015 , 76, 149-161	1.1	0
26	Surfactant-assisted size control of hydroxyapatite nanorods for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 666-73	6	37
25	A highly sensitive electrode modified with graphene, gold nanoparticles, and molecularly imprinted over-oxidized polypyrrole for electrochemical determination of dopamine. <i>Journal of Molecular Liquids</i> , 2014 , 198, 307-312	6	38
24	Graphene-coated quartz crystal microbalance for detection of volatile organic compounds at room temperature. <i>Thin Solid Films</i> , 2014 , 568, 6-12	2.2	45
23	Photochemical decoration of silver nanoparticles on graphene oxide nanosheets and their optical characterization. <i>Journal of Alloys and Compounds</i> , 2014 , 615, 843-848	5.7	36

22	Protein A-conjugated iron oxide nanoparticles for separation of <i>Vibrio cholerae</i> from water samples. <i>Faraday Discussions</i> , 2014 , 175, 73-82	3.6	15
21	Novel synthesis of highly ordered mesoporous Fe ₂ O ₃ /SiO ₂ nanocomposites for a room temperature VOC sensor. <i>Current Applied Physics</i> , 2013 , 13, 1581-1588	2.6	19
20	Silver nanoparticles: synthesis, properties, toxicology, applications and perspectives. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013 , 4, 033001	1.6	394
19	Characterization and antimicrobial activity of silver nanoparticles prepared by a thermal decomposition technique. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 113, 613-621	2.6	5
18	A facile synthesis of nanostructured magnesium oxide particles for enhanced adsorption performance in reactive blue 19 removal. <i>Journal of Colloid and Interface Science</i> , 2013 , 398, 210-6	9.3	69
17	Electrochemical Properties of LaNi _{5-x} Ga _x Alloys Used as the Negative Electrodes of Ni-MH Batteries. <i>Analytical Letters</i> , 2013 , 46, 1897-1909	2.2	3
16	A new nidovirus (NamDinh virus NDiV): Its ultrastructural characterization in the C6/36 mosquito cell line. <i>Virology</i> , 2013 , 444, 337-42	3.6	23
15	Enhanced NH ₃ gas sensing properties of a QCM sensor by increasing the length of vertically orientated ZnO nanorods. <i>Applied Surface Science</i> , 2013 , 265, 458-464	6.7	52
14	Observation of virus-like particles in thin sections of the bleaching scleractinian coral <i>Acropora cytherea</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013 , 93, 909-912	1.1	21
13	Polyaniline Nanowires-Based Electrochemical Immunosensor for Label Free Detection of Japanese Encephalitis Virus. <i>Analytical Letters</i> , 2013 , 46, 1229-1240	2.2	16
12	Towards the use of protein A-tagged gold nanoparticles for signal amplification of electrochemical immunosensors in virus detection. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012 , 3, 025013	1.6	2
11	Powerful colloidal silver nanoparticles for the prevention of gastrointestinal bacterial infections. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012 , 3, 045007	1.6	16
10	Development of electrochemical immunosensors based on different serum antibody immobilization methods for detection of Japanese encephalitis virus. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012 , 3, 015012	1.6	8
9	A novel biosensor based on serum antibody immobilization for rapid detection of viral antigens. <i>Talanta</i> , 2011 , 86, 271-7	6.2	46
8	Viral distribution and life strategies in the Bach Dang Estuary, Vietnam. <i>Microbial Ecology</i> , 2011 , 62, 143-144	4.4	19
7	Characterization of immobilization methods of antiviral antibodies in serum for electrochemical biosensors. <i>Applied Surface Science</i> , 2011 , 257, 7090-7095	6.7	34
6	Novel silver nanoparticles: synthesis, properties and applications. <i>International Journal of Nanotechnology</i> , 2011 , 8, 278	1.5	22
5	Photochemical synthesis of highly bactericidal silver nanoparticles. <i>Nanotechnologies in Russia</i> , 2010 , 5, 554-563	0.6	7

4	Green synthesis of finely-dispersed highly bactericidal silver nanoparticles via modified Tollens technique. <i>Current Applied Physics</i> , 2010 , 10, 910-916	2.6	65
3	Synthesis of oleic acid-stabilized silver nanoparticles and analysis of their antibacterial activity. <i>Materials Science and Engineering C</i> , 2010 , 30, 910-916	8.3	93
2	Facile preparation of a DNA sensor for rapid herpes virus detection. <i>Materials Science and Engineering C</i> , 2010 , 30, 1145-1150	8.3	25
1	Ultrasensitive Detection of Methylene Blue Using an Electrochemically Synthesized SERS Sensor Based on Gold and Silver Nanoparticles: Roles of Composition and Purity on Sensing Performance and Reliability. <i>Journal of Electronic Materials</i> ,1	1.9	1