

Nguyen Thanh Tung

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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.

94
papers

676
citations

14
h-index

20
g-index

104
ext. papers

861
ext. citations

2.8
avg, IF

4.29
L-index

#	Paper	IF	Citations
94	Dependence of the distance between cut-wire-pair layers on resonance frequencies. <i>Optics Express</i> , 2008 , 16, 5934-41	3.3	40
93	Single- and double-negative refractive indices of combined metamaterial structure. <i>Journal of Applied Physics</i> , 2009 , 106, 053109	2.5	33
92	Highly dispersive transparency in coupled metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 115102	1.7	29
91	Left-handed transmission in a simple cut-wire pair structure. <i>Journal of Applied Physics</i> , 2010 , 107, 023530-5	2.5	27
90	Production of photonic nanojets by using pupil-masked 3D dielectric cuboid. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 175102	3	25
89	Thermally tunable magnetic metamaterials at THz frequencies. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 075101	1.7	22
88	Oversampling Free Energy Perturbation Simulation in Determination of the Ligand-Binding Free Energy. <i>Journal of Computational Chemistry</i> , 2020 , 41, 611-618	3.5	22
87	Mass-selected photodissociation studies of $AlPb_n^+$ clusters ($n = 7-16$): Evidence for the extraordinary stability of $AlPb_{10}^+$ and $AlPb_{12}^+$. <i>Physical Review B</i> , 2013 , 87,	3.3	20
86	Influence of lattice parameters on the resonance frequencies of a cut-wire-pair medium. <i>Journal of Applied Physics</i> , 2009 , 105, 113102	2.5	20
85	Rapid prediction of possible inhibitors for SARS-CoV-2 main protease using docking and FPL simulations.. <i>RSC Advances</i> , 2020 , 10, 31991-31996	3.7	19
84	Characterizations of an infrared polarization-insensitive metamaterial perfect absorber and its potential in sensing applications. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2018 , 28, 100-105	2.6	18
83	Prediction of AChE-ligand affinity using the umbrella sampling simulation. <i>Journal of Molecular Graphics and Modelling</i> , 2019 , 93, 107441	2.8	16
82	Characterizations of a thermo-tunable broadband fishnet metamaterial at THz frequencies. <i>Computational Materials Science</i> , 2015 , 103, 189-193	3.2	16
81	A Novel Wideband Circularly Polarized Antenna for RF Energy Harvesting in Wireless Sensor Nodes. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-9	1.2	15
80	Controlling the absorption strength in bidirectional terahertz metamaterial absorbers with patterned graphene. <i>Computational Materials Science</i> , 2019 , 166, 276-281	3.2	14
79	Influence of Cr doping on the stability and structure of small cobalt oxide clusters. <i>Journal of Chemical Physics</i> , 2014 , 141, 044311	3.9	14
78	Isotropic metamaterial absorber using cut-wire-pair structures. <i>Applied Physics Express</i> , 2015 , 8, 032001	2.4	14

77	Perfect impedance-matched left-handed behavior in combined metamaterial. <i>European Physical Journal B</i> , 2010 , 74, 47-51	1.2	14
76	Binding of inhibitors to the monomeric and dimeric SARS-CoV-2 Mpro.. <i>RSC Advances</i> , 2021 , 11, 2926-2934	3.7	13
75	Broadband negative permeability using hybridized metamaterials: Characterization, multiple hybridization, and terahertz response. <i>Journal of Applied Physics</i> , 2014 , 116, 083104	2.5	12
74	Hybrid semiconductor/dielectric metamaterial modulation for switchable bi-directional THz absorbers. <i>Optics Communications</i> , 2017 , 383, 244-249	2	12
73	Broadband Negative Permeability by Hybridized Cut-Wire Pair Metamaterials. <i>Applied Physics Express</i> , 2012 , 5, 112001	2.4	12
72	Assessing potential inhibitors of SARS-CoV-2 main protease from available drugs using free energy perturbation simulations. <i>RSC Advances</i> , 2020 , 10, 40284-40290	3.7	12
71	A Systematic Investigation on CrCun Clusters with n = 9-16: Noble Gas and Tunable Magnetic Property. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 7335-43	2.8	11
70	AuM (M=Cr, Mn, and Fe) as magnetic copies of the golden pyramid. <i>Scientific Reports</i> , 2017 , 7, 16086	4.9	11
69	Symmetry-Breaking Metamaterials Enabling Broadband Negative Permeability. <i>Journal of Electronic Materials</i> , 2016 , 45, 2547-2552	1.9	10
68	Effect of the dielectric layer thickness on the electromagnetic response of cut-wire-pair and combined structures. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 115404	3	10
67	Scalable Fabrication of Modified Graphene Nanoplatelets as an Effective Additive for Engine Lubricant Oil. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
66	Photofragmentation of mass-selected vanadium doped cobalt cluster cations. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	8
65	and determination of glutaminyl cyclase inhibitors.. <i>RSC Advances</i> , 2019 , 9, 29619-29627	3.7	8
64	Estimation of the ligand-binding free energy of checkpoint kinase 1 via non-equilibrium MD simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 100, 107648	2.8	7
63	Facile fabrication of graphene@Fe-Ti binary oxide nanocomposite from ilmenite ore: An effective photocatalyst for dye degradation under visible light irradiation. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101474	6.7	7
62	Influence of the dielectric-spacer thickness on the left-handed behavior of fishnet metamaterial structure. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2009 , 7, 206-211	2.6	7
61	Polarization-insensitive electromagnetically-induced transparency in planar metamaterial based on coupling of ring and zigzag spiral resonators. <i>Modern Physics Letters B</i> , 2020 , 34, 2050093	1.6	6
60	C-Terminal Plays as the Possible Nucleation of the Self-Aggregation of the S-Shape A α Tetramer in Solution: Intensive MD Study. <i>ACS Omega</i> , 2019 , 4, 11066-11073	3.9	6

59	Large-area cost-effective lithography-free infrared metasurface absorbers for molecular detection. <i>APL Materials</i> , 2019 , 7, 071102	5.7	6
58	Improving ligand-ranking of AutoDock Vina by changing the empirical parameters. <i>Journal of Computational Chemistry</i> , 2022 , 43, 160-169	3.5	6
57	Realization for dual-band high-order perfect absorption, based on metamaterial. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 105502	3	6
56	Structure and electrochemical property of amorphous molybdenum selenide H ₂ -evolving catalysts prepared by a solvothermal synthesis. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13273-13283	6.7	5
55	Taming electromagnetic metamaterials for isotropic perfect absorbers. <i>AIP Advances</i> , 2015 , 5, 077119	1.5	5
54	Ultimate Manipulation of Magnetic Moments in the Golden Tetrahedron Au ₂₀ with a Substitutional 3d Impurity. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 16256-16264	3.8	5
53	Dopant dependent stability of Co _n TM ⁺ (TM = Ti, V, Cr, and Mn) clusters. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 114, 497-502	1.9	5
52	Detailed Numerical Study on Cut-wire Pair Structure. <i>Journal of the Korean Physical Society</i> , 2010 , 56, 1291-1297	0.6	5
51	Effective estimation of the inhibitor affinity of HIV-1 protease a modified LIE approach.. <i>RSC Advances</i> , 2020 , 10, 7732-7739	3.7	4
50	Structure, magnetism, and dissociation energy of small bimetallic cobalt-chromium oxide cluster cations: A density-functional-theory study. <i>Chemical Physics Letters</i> , 2016 , 643, 77-83	2.5	4
49	The influences of E22Q mutant on solvated 3A β peptide: A REMD study. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 83, 122-128	2.8	4
48	Design of a Strong Gradient Magnet for the Deflection of Nanoclusters. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 3700604-3700604	1.8	4
47	The electromagnetic response of different metamaterial structures. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2010 , 1, 045016	1.6	4
46	Effects of the Electric Component on Combined Metamaterial Structure. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4310-4313	2	4
45	Polarization dependence of the metamagnetic resonance of cut-wire-pair structure by using plasmon hybridization. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 70-73	0.6	3
44	A theoretical investigation on Si _n Mn ₂ +Clusters (n = 1-10): Geometry, stability, and magnetic properties. <i>Computational and Theoretical Chemistry</i> , 2017 , 1117, 124-129	2	3
43	IMPACT OF GEOMETRICAL PARAMETERS ON TRANSMISSION PROPERTIES OF CUT-WIRE PAIR STRUCTURES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2009 , 18, 489-499	0.8	3
42	Unifying approach to multilayer metamaterials absorber for bandwidth enhancement. <i>Optics Communications</i> , 2021 , 485, 126725	2	3

41	Design, fabrication, and characterization of an electromagnetic harvester using polarization-insensitive metamaterial absorbers. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 345502	3	3
40	Dynamics of polystyrene beads linking to DNA molecules under single optical tweezers: A numerical study using full normalized Langevin equation. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016 , 25, 1650054	0.8	3
39	Absorption Behavior of Graphene Nanoplates toward Oils and Organic Solvents in Contaminated Water. <i>Sustainability</i> , 2019 , 11, 7228	3.6	3
38	Electrically tunable graphene-based metamaterials: A brief review. <i>Modern Physics Letters B</i> , 2019 , 33, 1950404	1.6	3
37	Origami-based stretchable bi-functional metamaterials: reflector and broadband absorber. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 165111	3	3
36	Graphene-integrated hybridized metamaterials for wide-angle tunable THz absorbers. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021 , 45, 100924	2.6	3
35	Self-Assembly of Porphyrin Nanofibers on ZnO Nanoparticles for the Enhanced Photocatalytic Performance for Organic Dye Degradation. <i>ACS Omega</i> , 2021 , 6, 23203-23210	3.9	3
34	Fine Tuning of the Copper Active Site in Polysaccharide Monooxygenases. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 1859-1865	3.4	2
33	Improved field post-processing for a Stern-Uerlach magnetic deflection magnet. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2014 , 27, 472-484	1	2
32	Transmission properties of electromagnetic metamaterials: From split-ring resonator to fishnet structure. <i>Optical Review</i> , 2009 , 16, 578-582	0.9	2
31	Strong tie between cut-wire pair and continuous wire in combined-structure metamaterials. <i>Optics Communications</i> , 2011 , 284, 919-924	2	2
30	Design, fabrication and characterization of a perfect absorber using simple cut-wire metamaterials. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012 , 3, 045014	1.6	2
29	Triple negative permeability band in plasmon-hybridized cut-wire-pair metamaterials. <i>Optics Communications</i> , 2010 , 283, 4303-4306	2	2
28	Insights into the binding and covalent inhibition mechanism of PF-07321332 to SARS-CoV-2 M.. <i>RSC Advances</i> , 2022 , 12, 3729-3737	3.7	2
27	Transient transmission of THz metamaterial antennas by impact ionization in a silicon substrate. <i>Optics Express</i> , 2021 , 29, 170-181	3.3	2
26	Flexible Broadband Metamaterial Perfect Absorber Based on Graphene-Conductive Inks. <i>Photonics</i> , 2021 , 8, 440	2.2	2
25	Terahertz cut-wire-pair metamaterial absorber. <i>Journal of Applied Physics</i> , 2021 , 130, 013102	2.5	2
24	Dual-Polarized Wide-Angle Energy Harvester for Self-Powered IoT Devices. <i>IEEE Access</i> , 2021 , 9, 103376-103384	3.9	3

23	Photofragmentation Patterns of Cobalt Oxide Cations CoO (= 5-9, = 4-13): From Oxygen-Deficient to Oxygen-Rich Species. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 7333-7339	2.8	1
22	A DFT investigation on geometry and chemical bonding of isoelectronic Si ₈ N ₆ V ⁺ , Si ₈ N ₆ Cr, and Si ₈ N ₆ Mn ⁺ clusters. <i>Chemical Physics Letters</i> , 2017 , 685, 410-415	2.5	1
21	Characterization and electromagnetic response of a ?-shaped metamaterial. <i>European Physical Journal B</i> , 2011 , 81, 263-268	1.2	1
20	Comprehensive effective-medium analysis for the transmission properties of combined metamaterials. <i>Computational Materials Science</i> , 2010 , 49, S284-S286	3.2	1
19	Comment on "Antisymmetric resonant mode and negative refraction in double-ring resonators under normal-to-plane incidence". <i>Physical Review E</i> , 2011 , 83, 038601	2.4	1
18	Dependence of transmittance and group index on the coupling strength between constituents of a metamaterial. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011 , 2, 015003	1.6	1
17	Metamaterials: Detailed parametric studies on cut-wire pair and combined structure. <i>Journal of Physics: Conference Series</i> , 2009 , 187, 012015	0.3	1
16	Thermodynamics and kinetics in antibody resistance of the 501Y.V2 SARS-CoV-2 variant.. <i>RSC Advances</i> , 2021 , 11, 33438-33446	3.7	1
15	Facile synthesis of in situ CNT/WO ₃ •2H ₂ O nanoplate composites for adsorption and photocatalytic applications under visible light irradiation. <i>Semiconductor Science and Technology</i> , 2021 , 36, 095010	1.8	1
14	Comment on "Analysis of single-layer metamaterial absorber with reflection theory" [J. Appl. Phys. 117, 154906 (2015)]. <i>Journal of Applied Physics</i> , 2016 , 119, 096101	2.5	1
13	Systematic Investigation of the Structure, Stability, and Spin Magnetic Moment of CrM Clusters (M = Cu, Ag, Au, and = 2-20) by DFT Calculations. <i>ACS Omega</i> , 2021 , 6, 20341-20350	3.9	1
12	Active control of the hybridization effect of near-field coupled resonators in metamaterial for a tunable negative refractive index at terahertz frequencies. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 156, 110173	3.9	1
11	Synthesis and Broadband Absorption of Fe-Based Nanoparticles in the Ku-Band. <i>Journal of Electronic Materials</i> , 2021 , 50, 2157-2163	1.9	1
10	Advances and prospects of porphyrin-based nanomaterials via self-assembly for photocatalytic applications in environmental treatment. <i>Coordination Chemistry Reviews</i> , 2022 , 463, 214543	23.2	1
9	Computational studies of a cut-wire pair and combined metamaterials. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011 , 2, 033001	1.6	0
8	Unbinding ligands from SARS-CoV-2 Mpro via umbrella sampling simulations.. <i>Royal Society Open Science</i> , 2022 , 9, 211480	3.3	0
7	DFT investigation of Au ₉ M ₂ ⁺ nanoclusters (M = Sc-Ni): The magnetic superatomic behavior of Au ₉ Cr ₂ ⁺ . <i>Chemical Physics Letters</i> , 2022 , 793, 139451	2.5	0
6	Green synthesis of an Ag nanoparticle-decorated graphene nanoplatelet nanocomposite by using Cleistocalyx operculatus leaf extract for antibacterial applications. <i>Nano Structures Nano Objects</i> , 2022 , 29, 100810	5.6	0

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| 5 | The binary aluminum scandium clusters Al Sc with $n = 13$: when is the icosahedron retained?. <i>RSC Advances</i> , 2021 , 11, 40072-40084 | 3.7 | o |
| 4 | Dual-Band, Polarization-Insensitive, Ultrathin and Flexible Metamaterial Absorber Based on High-Order Magnetic Resonance. <i>Photonics</i> , 2021 , 8, 574 | 2.2 | o |
| 3 | Dual-band ambient energy harvesting systems based on metamaterials for self-powered indoor wireless sensor nodes. <i>International Journal of Microwave and Wireless Technologies</i> , 1-9 | 0.8 | o |
| 2 | First-row transition metal doped germanium clusters GeM: some remarkable superhalogens.. <i>RSC Advances</i> , 2022 , 12, 13487-13499 | 3.7 | o |
| 1 | MULTI-PLASMON RESONANCES SUPPORTING THE NEGATIVE REFRACTIVE INDEX IN "SINGLE-ATOM" METAMATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2012 , 21, 1250019 ^{0.8} | | |