

Nguyen Hoang Hai

List of Publications by Year in descending order

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61
papers

945
citations

471477

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477281

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61
docs citations

61
times ranked

923
citing authors

#	ARTICLE	IF	CITATIONS
1	Microchannel-Embedded D-Shaped Photonic Crystal Fiber-Based Highly Sensitive Plasmonic Biosensor. Applied Sciences (Switzerland), 2022, 12, 4122.	2.5	13
2	Highly Sensitive D-Shaped Plasmonic Refractive Index Sensor for a Broad Range of Refractive Index Detection. IEEE Photonics Journal, 2021, 13, 1-11.	2.0	32
3	Understanding the Growth Mechanisms of Tin Oxide Nanowires by Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2021, 21, 2538-2544.	0.9	1
4	Design of a HNL Index Guiding Silica PCF for SCG: Applications in Dental Optical Coherence Tomography System. Lecture Notes in Electrical Engineering, 2021, , 635-645.	0.4	0
5	A Deep Neural Network Model for Predicting Electric Fields Induced by Transcranial Magnetic Stimulation Coil. IEEE Access, 2021, 9, 128381-128392.	4.2	6
6	Selectively Coated Spiral Photonic Crystal Fiber Based Plasmonic Polarization Filter. , 2021, , .		1
7	Maximizing double-link failure recovery of over-dimensioned optical mesh networks. Optical Switching and Networking, 2020, 36, 100541.	2.0	4
8	Sensitivity Enhancement of Modified D-Shaped Microchannel PCF-Based Surface Plasmon Resonance Sensor. Sensors, 2020, 20, 6049.	3.8	28
9	Dual-Core Photonic Crystal Fiber-Based Plasmonic RI Sensor in the Visible to Near-IR Operating Band. IEEE Sensors Journal, 2020, 20, 7692-7700.	4.7	94
10	Highly Birefringent, Low-Loss, and Near-Zero Flat Dispersion ENZ Based THz Photonic Crystal Fibers. IEEE Photonics Journal, 2020, 12, 1-9.	2.0	6
11	An air-core photonic crystal fiber based plasmonic sensor for high refractive index sensing. Optics Communications, 2020, 464, 125556.	2.1	51
12	Surface Plasmonic Resonance Sensor for Wider Range of Low Refractive Index Detection. , 2019, , .		3
13	Highly Sensitive Dual-Core PCF Based Plasmonic Refractive Index Sensor for Low Refractive Index Detection. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	74
14	A Bimetallic-Coated, Low Propagation Loss, Photonic Crystal Fiber Based Plasmonic Refractive Index Sensor. Sensors, 2019, 19, 3794.	3.8	60
15	Optical Properties of Plasmonic Material Based on Modified D-Shaped Photonic Crystal Fiber. , 2019, , .		0
16	Highly Sensitive D-Shaped PCF Based Plasmonic Refractive Index Sensor. , 2019, , .		0
17	Detection analysis limit of nonlinear characteristics of DNA sensors with the surface modified by polypyrrole nanowires and gold nanoparticles. Journal of Science: Advanced Materials and Devices, 2018, 3, 129-138.	3.1	9
18	Development of a DNA Sensor Based on Nanoporous Pt-Rich Electrodes. Journal of Electronic Materials, 2017, 46, 3491-3498.	2.2	1

#	ARTICLE	IF	CITATIONS
19	High pressurized Xenon gas-filled hollow core Kagome photonic crystal fiber for transmission of THz waves. , 2017, , .		0
20	Differential C4D sensor for conductive and non-conductive fluidic channel. Microsystem Technologies, 2016, 22, 2511-2520.	2.0	12
21	A novel design of highly nonlinear golden spiral Ge-doped core photonic crystal fiber for supercontinuum light sources application. , 2014, , .		1
22	Light source design using hollow core photonic crystal fibers. , 2014, , .		1
23	New proposal of chromatic dispersion control in honey comb photonic crystal fiber for broadband communication. , 2014, , .		1
24	Novel design of hybrid cladding hexa-octagonal photonic crystal fiber with dispersion control for broadband communication. , 2013, , .		0
25	Tellurite nanowire core photonic crystal fiber. , 2013, , .		2
26	High numerical aperture square lattice structure photonic crystal fiber for optical coherence tomography. , 2013, , .		5
27	Synthesis of Silica-Coated Magnetic Nanoparticles and Application in the Detection of Pathogenic Viruses. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	63
28	Hard magnetic properties of FePd nanoparticles. EPJ Applied Physics, 2013, 64, 10403.	0.7	14
29	Magnetic Properties of FePt Nanoparticles Prepared by Sonoelectrodeposition. Journal of Nanomaterials, 2012, 2012, 1-4.	2.7	7
30	Amorphous iron-chromium oxide nanoparticles prepared by sonochemistry. Journal of Non-Crystalline Solids, 2012, 358, 537-543.	3.1	19
31	Application of Gold Nanoparticles for Early Detection of Breast Cancer Cells. E-Journal of Surface Science and Nanotechnology, 2011, 9, 544-547.	0.4	5
32	Surface Modification of SiO ₂ -Coated FePt Nanoparticles with Amino Groups. E-Journal of Surface Science and Nanotechnology, 2011, 9, 536-538.	0.4	4
33	Metallic nanoparticles: synthesis, characterisation and application. International Journal of Nanotechnology, 2011, 8, 227.	0.2	7
34	Preparation and properties of silver nanoparticles loaded in activated carbon for biological and environmental applications. Journal of Hazardous Materials, 2011, 192, 1321-1329.	12.4	89
35	Anomalous magnetic viscosity in FeCo/Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 92 Td (stretchy="false")  $\hat{\pm}$ FeCo Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 92 Td (stretchy="false")		

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37	CoPt nanoparticles encapsulated in carbon cages prepared by sonoelectrodeposition. Nanotechnology, 2011, 22, 285603.	2.6	21
38	The microwave-assisted synthesis and characterization of Zn _{1-x} Co _x O nanopowders. Materials Letters, 2010, 64, 962-965.	2.6	17
39	A nearly-zero ultra-flattened dispersion photonic crystal fiber: Application to broadband transmission platforms. , 2010, , .		1
40	Raman spectroscopy of Cu doping in Zn _{1-x} Co _x O diluted magnetic semiconductor. Journal of Raman Spectroscopy, 2009, 40, 1535-1538.	2.5	20
41	Broadband nearly-zero ultra-flattened dispersion single mode index guiding holey fiber. Optical Review, 2009, 16, 351-354.	2.0	9
42	Design and analysis of novel highly nonlinear photonic crystal fibers with ultra-flattened chromatic dispersion. Optics Communications, 2009, 282, 1416-1421.	2.1	53
43	Novel broadband dispersion compensating photonic crystal fibers: Applications in high-speed transmission systems. Optics and Laser Technology, 2009, 41, 679-686.	4.6	69
44	DNA enrichment by functionalized magnetic nanoparticles for on-site and fast detection of virus in biomedical application. Journal of Physics: Conference Series, 2009, 187, 012059.	0.4	7
45	Preparation of magnetic nanoparticles embedded in polystyrene microspheres. Journal of Physics: Conference Series, 2009, 187, 012009.	0.4	11
46	The existence of large magnetocaloric effect at low field variation and the anti-corrosion ability of Fe-rich alloy with Cr substituted for Fe. Journal of Physics: Conference Series, 2009, 187, 012067.	0.4	2
47	Photonic Crystal Fiber with Ultra-Flattened Chromatic Dispersion, Low Confinement and Bending Losses -Photonic Crystal Fibers with Ultra-Flattened Chromatic Dispersion would be Useful for Optical Communication Systems-. IEEE Transactions on Electronics, Information and Systems, 2009, 129, 1039-1046.	0.2	2
48	A unique approach in ultra-flattened dispersion photonic crystal fibers containing elliptical air-holes. Optical Review, 2008, 15, 91-96.	2.0	18
49	Broadband nearly zero ultra-flattened dispersion single mode holey fibers. , 2008, , .		0
50	Guiding Properties of Modified Triangular Lattice Photonic Crystal Fibers. Japanese Journal of Applied Physics, 2008, 47, 6709-6712.	1.5	1
51	Large Magnetocaloric Effect above 300 K and Magnetoresistance in (La _{0.5} Pr _{0.5}) _{1-x} Pb _x MnO ₃ Perovskites. Journal of the Korean Physical Society, 2008, 52, 1431-1434.	0.7	4
52	Magneto-Optical Properties of ZnO:Co Nanocrystalline Films. Journal of the Korean Physical Society, 2008, 52, 1621-1624.	0.7	4
53	Applications of Magnetite Nanoparticles for Water Treatment and for DNA and Cell Separation. Journal of the Korean Physical Society, 2008, 53, 1601-1606.	0.7	8
54	Micro-structured photonic crystal fibers with large mode area and high negative dispersion. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	An unique design of ultra-flattened dispersion photonic crystal fibers. , 2007, , .		0
56	Highly nonlinear dispersion-flattened square photonic crystal fibers with low confinement losses. Optical Review, 2007, 14, 120-124.	2.0	18
57	Dispersion and Confinement Loss Control in Modified Hexagonal Photonic Crystal Fibers. Optical Review, 2007, 14, 14-16.	2.0	20
58	Dispersion-Flattened Modified Hexagonal Photonic Crystal Fibers with Low Confinement Loss. Optical Review, 2007, 14, 165-168.	2.0	8
59	Transmission Characteristics of Circular Ring PCF and Octagonal PCF: A Comparison. , 2006, , .		4
60	Preparation of microstructured and nanostructured magnetic materials by mechanical deformation. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 581-584.	2.3	11
61	Effect of the crystalline electric field on the Néel temperatures of $R\text{Cu}_2$ compounds. Journal of Magnetism and Magnetic Materials, 2001, 224, 30-32.	2.3	10