

Thanh-Dinh Nguyen

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

55
papers

2,162
citations

27
h-index

46
g-index

56
ext. papers

2,386
ext. citations

7.9
avg, IF

5.51
L-index

#	Paper	IF	Citations
55	Biomimetic photonic materials derived from chitin and chitosan. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 796-817	7.1	17
54	Cellulose nanocrystal based multifunctional nanohybrids. <i>Progress in Materials Science</i> , 2020 , 112, 100668	12.2	58
53	Iridescent Cellulose Nanocrystal Films Modified with Hydroxypropyl Cellulose. <i>Biomacromolecules</i> , 2020 , 21, 1295-1302	6.9	20
52	Biomimetic Mesoporous Cobalt Ferrite/Carbon Nanoflake Helices for Freestanding Lithium-Ion Battery Anodes. <i>ChemistrySelect</i> , 2020 , 5, 8207-8217	1.8	4
51	Self-Assembly Route to TiO ₂ and TiC with a Liquid Crystalline Order. <i>Chemistry of Materials</i> , 2019 , 31, 2174-2181	9.6	20
50	Black Titania with Nanoscale Helicity. <i>Advanced Functional Materials</i> , 2019 , 29, 1904639	15.6	32
49	Solid-state Na NMR spectroscopy studies of ordered and disordered cellulose nanocrystal films. <i>Solid State Nuclear Magnetic Resonance</i> , 2019 , 97, 31-39	3.1	7
48	Double Twisted Photonic Honeycomb Frameworks with Mesoporous Structures. <i>Advanced Optical Materials</i> , 2019 , 7, 1801275	8.1	6
47	Structural Design of Near-Infrared Light-Active Cu/TiO ₂ /NaYF ₄ :Yb,Er Nanocomposite Photocatalysts. <i>Journal of Electronic Materials</i> , 2019 , 48, 329-336	1.9	1
46	Biotemplated Lightweight γ -Alumina Aerogels. <i>Chemistry of Materials</i> , 2018 , 30, 1602-1609	9.6	28
45	Aerogel materials with periodic structures imprinted with cellulose nanocrystals. <i>Nanoscale</i> , 2018 , 10, 3805-3812	7.7	40
44	Self-aggregation of water-dispersible nanocollagen helices. <i>Biomaterials Science</i> , 2018 , 6, 651-660	7.4	7
43	Biocompatible Chitosan-Functionalized Upconverting Nanocomposites. <i>ACS Omega</i> , 2018 , 3, 86-95	3.9	15
42	Mesoporous Cobalt Tungsten Oxide Heterostructured Nanotoroids for Gas Sensing. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800269	4.6	3
41	Aerogel templating on functionalized fibers of nanocellulose networks. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1655-1663	7.8	5
40	Controlled synthesis of manganese tungstate nanorods for highly selective NH ₃ gas sensor. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 787-794	5.7	29
39	Chiroptical luminescent nanostructured cellulose films. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 979-987	7.8	35

38	Luminescent NaYF ₄ :Yb,Er upconversion nanocrystal colloids: Towards controlled synthesis and near-infrared optical response. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 1489-1496	2.3	1
37	Chitin Liquid-Crystal-Templated Oxide Semiconductor Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30812-30820	9.5	14
36	Chiroptical, morphological and conducting properties of chiral nematic mesoporous cellulose/polypyrrole composite films. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19184-19194	13	57
35	Water-soluble chitosan-derived sustainable materials: towards filaments, aerogels, microspheres, and plastics. <i>Soft Matter</i> , 2017 , 13, 7292-7299	3.6	13
34	Near-IR-Sensitive Upconverting Nanostructured Photonic Cellulose Films. <i>Advanced Optical Materials</i> , 2017 , 5, 1600514	8.1	25
33	Synthesis of perovskite-based nanocomposites for deNO _x catalytic activity. <i>Canadian Journal of Chemistry</i> , 2016 , 94, 215-220	0.9	2
32	Photonic Hydrogels from Chiral Nematic Mesoporous Chitosan Nanofibril Assemblies. <i>Advanced Functional Materials</i> , 2016 , 26, 2875-2881	15.6	35
31	Hard Photonic Glasses and Corundum Nanostructured Films from Aluminothermic Reduction of Helicoidal Mesoporous Silicas. <i>Chemistry of Materials</i> , 2016 , 28, 2581-2588	9.6	18
30	Chiral nematic porous germania and germanium/carbon films. <i>Nanoscale</i> , 2015 , 7, 13215-23	7.7	25
29	Tailoring the assembly, interfaces, and porosity of nanostructures toward enhanced catalytic activity. <i>Chemical Communications</i> , 2015 , 51, 624-35	5.8	35
28	Water-soluble acetylated chitosan-stabilized gold nanosphere bioprobes. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 324-332	4.4	2
27	Magnesiothermic Reduction of Thin Films: Towards Semiconducting Chiral Nematic Mesoporous Silicon Carbide and Silicon Structures. <i>Advanced Functional Materials</i> , 2015 , 25, 2175-2181	15.6	24
26	Mesoporous nitrogen-doped carbon from nanocrystalline chitin assemblies. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5915	13	71
25	Nanofibrillar alginic acid-derived hierarchical porous carbon supercapacitors. <i>Canadian Journal of Chemical Engineering</i> , 2014 , 92, 796-802	2.3	1
24	Biomimetic Chiral Nematic Mesoporous Materials from Crab Cuticles. <i>Advanced Optical Materials</i> , 2014 , 2, 1031-1037	8.1	54
23	Multicomponent nanoarchitectures for the design of optical sensing and diagnostic tools. <i>RSC Advances</i> , 2014 , 4, 916-942	3.7	24
22	CdS Quantum Dots Encapsulated in Chiral Nematic Mesoporous Silica: New Iridescent and Luminescent Materials. <i>Advanced Functional Materials</i> , 2014 , 24, 777-783	15.6	96
21	One-step synthesis of ordered Sn-substituted SBA-16 mesoporous materials using prepared silica source of rice husk and their selectively catalytic activity. <i>Canadian Journal of Chemical Engineering</i> , 2013 , 91, 34-46	2.3	15

20	From formation mechanisms to synthetic methods toward shape-controlled oxide nanoparticles. <i>Nanoscale</i> , 2013 , 5, 9455-82	7.7	106
19	Portraits of colloidal hybrid nanostructures: controlled synthesis and potential applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 326-44	6	22
18	Tuning the iridescence of chiral nematic cellulose nanocrystals and mesoporous silica films by substrate variation. <i>Chemical Communications</i> , 2013 , 49, 11296-8	5.8	74
17	Controlled synthesis of ceria nanoparticles for the design of nanohybrids. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 100-7	9.3	20
16	Mesoporous silica and organosilica films templated by nanocrystalline chitin. <i>Chemistry - A European Journal</i> , 2013 , 19, 15148-54	4.8	34
15	A solvothermal single-step route towards shape-controlled titanium dioxide nanocrystals. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 8-17	2.3	16
14	Controlled synthesis of titanate nanodisks as versatile building blocks for the design of hybrid nanostructures. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6608-12	16.4	26
13	Back Cover: Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures (Angew. Chem. Int. Ed. 27/2012). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6794-6794	16.4	1
12	A general procedure to synthesize highly crystalline metal oxide and mixed oxide nanocrystals in aqueous medium and photocatalytic activity of metal/oxide nanohybrids. <i>Nanoscale</i> , 2011 , 3, 1861-73	7.7	50
11	Controlled growth of uniform noble metal nanocrystals: aqueous-based synthesis and some applications in biomedicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 1-22	6	43
10	Biomolecule-assisted route for shape-controlled synthesis of single-crystalline MnWO ₄ nanoparticles and spontaneous assembly of polypeptide-stabilized mesocrystal microspheres. <i>CrystEngComm</i> , 2011 , 13, 1450-1460	3.3	56
9	A new route to size and population control of silver clusters on colloidal TiO ₂ nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2228-34	9.5	48
8	Two-phase synthesis of colloidal annular-shaped Ce(x)La(1-x)CO ₃ OH nanoarchitectures assembled from small particles and their thermal conversion to derived mixed oxides. <i>Inorganic Chemistry</i> , 2011 , 50, 1309-20	5.1	33
7	Shape- and size-controlled synthesis of monoclinic ErOOH and cubic Er ₂ O ₃ from micro- to nanostructures and their upconversion luminescence. <i>ACS Nano</i> , 2010 , 4, 2263-73	16.7	65
6	General Two-Phase Routes to Synthesize Colloidal Metal Oxide Nanocrystals: Simple Synthesis and Ordered Self-Assembly Structures. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11204-11214	3.8	70
5	Shape-controlled synthesis of highly crystalline titania nanocrystals. <i>ACS Nano</i> , 2009 , 3, 3737-43	16.7	365
4	Solvo-hydrothermal approach for the shape-selective synthesis of vanadium oxide nanocrystals and their characterization. <i>Langmuir</i> , 2009 , 25, 5322-32	4	71
3	Monodisperse samarium and cerium orthovanadate nanocrystals and metal oxidation states on the nanocrystal surface. <i>Langmuir</i> , 2009 , 25, 11142-8	4	62

2	A Novel Approach for Monodisperse Samarium Orthovanadate Nanocrystals: Controlled Synthesis and Characterization. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18584-18595	3.8	35
1	Controlled Self-Assembly of Sm ₂ O ₃ Nanoparticles into Nanorods: Simple and Large Scale Synthesis using Bulk Sm ₂ O ₃ Powders. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15226-15235	3.8	126