Thanh-Dinh Nguyen

List of Publications by Citations

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	Shape-controlled synthesis of highly crystalline titania nanocrystals. *ACS Nano*, **2009**, 3, 3737-43	16.7	365
54	Controlled Self-Assembly of Sm2O3 Nanoparticles into Nanorods: Simple and Large Scale Synthesis using Bulk Sm2O3 Powders. *Journal of Physical Chemistry C*, **2008**, 112, 15226-15235	3.8	126
53	From formation mechanisms to synthetic methods toward shape-controlled oxide nanoparticles. *Nanoscale*, **2013**, 5, 9455-82	7.7	106
52	CdS Quantum Dots Encapsulated in Chiral Nematic Mesoporous Silica: New Iridescent and Luminescent Materials. *Advanced Functional Materials*, **2014**, 24, 777-783	15.6	96
51	Tuning the iridescence of chiral nematic cellulose nanocrystals and mesoporous silica films by substrate variation. *Chemical Communications*, **2013**, 49, 11296-8	5.8	74
50	Mesoporous nitrogen-doped carbon from nanocrystalline chitin assemblies. *Journal of Materials Chemistry A*, **2014**, 2, 5915	13	71
49	Solvo-hydrothermal approach for the shape-selective synthesis of vanadium oxide nanocrystals and their characterization. *Langmuir*, **2009**, 25, 5322-32	4	71
48	General Two-Phase Routes to Synthesize Colloidal Metal Oxide Nanocrystals: Simple Synthesis and Ordered Self-Assembly Structures. *Journal of Physical Chemistry C*, **2009**, 113, 11204-11214	3.8	70
47	Shape- and size-controlled synthesis of monoclinic ErOOH and cubic Er2O3 from micro- to nanostructures and their upconversion luminescence. *ACS Nano*, **2010**, 4, 2263-73	16.7	65
46	Monodisperse samarium and cerium orthovanadate nanocrystals and metal oxidation states on the nanocrystal surface. *Langmuir*, **2009**, 25, 11142-8	4	62
45	Cellulose nanocrystal based multifunctional nanohybrids. *Progress in Materials Science*, **2020**, 112, 100668	42.2	58
44	Chiroptical, morphological and conducting properties of chiral nematic mesoporous cellulose/polypyrrole composite films. *Journal of Materials Chemistry A*, **2017**, 5, 19184-19194	13	57
43	Biomolecule-assisted route for shape-controlled synthesis of single-crystalline MnWO4 nanoparticles and spontaneous assembly of polypeptide-stabilized mesocrystal microspheres. *CrystEngComm*, **2011**, 13, 1450-1460	3.3	56
42	Biomimetic Chiral Nematic Mesoporous Materials from Crab Cuticles. *Advanced Optical Materials*, **2014**, 2, 1031-1037	8.1	54
41	A general procedure to synthesize highly crystalline metal oxide and mixed oxide nanocrystals in aqueous medium and photocatalytic activity of metal/oxide nanohybrids. *Nanoscale*, **2011**, 3, 1861-73	7.7	50
40	A new route to size and population control of silver clusters on colloidal TiO nanocrystals. *ACS Applied Materials & Interfaces*, **2011**, 3, 2228-34	9.5	48
39	Controlled growth of uniform noble metal nanocrystals: aqueous-based synthesis and some applications in biomedicine. *Colloids and Surfaces B: Biointerfaces*, **2011**, 88, 1-22	6	43

38	Aerogel materials with periodic structures imprinted with cellulose nanocrystals. *Nanoscale*, **2018**, 10, 3805-3812	7.7	40
37	Chiroptical luminescent nanostructured cellulose films. *Materials Chemistry Frontiers*, **2017**, 1, 979-987	7.8	35
36	Tailoring the assembly, interfaces, and porosity of nanostructures toward enhanced catalytic activity. *Chemical Communications*, **2015**, 51, 624-35	5.8	35
35	Photonic Hydrogels from Chiral Nematic Mesoporous Chitosan Nanofibril Assemblies. *Advanced Functional Materials*, **2016**, 26, 2875-2881	15.6	35
34	A Novel Approach for Monodisperse Samarium Orthovanadate Nanocrystals: Controlled Synthesis and Characterization. *Journal of Physical Chemistry C*, **2009**, 113, 18584-18595	3.8	35
33	Mesoporous silica and organosilica films templated by nanocrystalline chitin. *Chemistry - A European Journal*, **2013**, 19, 15148-54	4.8	34
32	Two-phase synthesis of colloidal annular-shaped Ce(x)La(1-x)CO3OH nanoarchitectures assembled from small particles and their thermal conversion to derived mixed oxides. *Inorganic Chemistry*, **2011**, 50, 1309-20	5.1	33
31	Black Titania with Nanoscale Helicity. *Advanced Functional Materials*, **2019**, 29, 1904639	15.6	32
30	Controlled synthesis of manganese tungstate nanorods for highly selective NH3 gas sensor. *Journal of Alloys and Compounds*, **2018**, 735, 787-794	5.7	29
29	Biotemplated Lightweight Alumina Aerogels. *Chemistry of Materials*, **2018**, 30, 1602-1609	9.6	28
28	Controlled synthesis of titanate nanodisks as versatile building blocks for the design of hybrid nanostructures. *Angewandte Chemie - International Edition*, **2012**, 51, 6608-12	16.4	26
27	Chiral nematic porous germania and germanium/carbon films. *Nanoscale*, **2015**, 7, 13215-23	7.7	25
26	Near-IR-Sensitive Upconverting Nanostructured Photonic Cellulose Films. *Advanced Optical Materials*, **2017**, 5, 1600514	8.1	25
25	Multicomponent nanoarchitectures for the design of optical sensing and diagnostic tools. *RSC Advances*, **2014**, 4, 916-942	3.7	24
24	Magnesiothermic Reduction of Thin Films: Towards Semiconducting Chiral Nematic Mesoporous Silicon Carbide and Silicon Structures. *Advanced Functional Materials*, **2015**, 25, 2175-2181	15.6	24
23	Portraits of colloidal hybrid nanostructures: controlled synthesis and potential applications. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 326-44	6	22
22	Self-Assembly Route to TiO2 and TiC with a Liquid Crystalline Order. *Chemistry of Materials*, **2019**, 31, 2174-2181	9.6	20
21	Iridescent Cellulose Nanocrystal Films Modified with Hydroxypropyl Cellulose. *Biomacromolecules*, **2020**, 21, 1295-1302	6.9	20

20	Controlled synthesis of ceria nanoparticles for the design of nanohybrids. *Journal of Colloid and Interface Science*, **2013**, 394, 100-7	9.3	20
19	Hard Photonic Glasses and Corundum Nanostructured Films from Aluminothermic Reduction of Helicoidal Mesoporous Silicas. *Chemistry of Materials*, **2016**, 28, 2581-2588	9.6	18
18	Biomimetic photonic materials derived from chitin and chitosan. *Journal of Materials Chemistry C*, **2021**, 9, 796-817	7.1	17
17	A solvothermal single-step route towards shape-controlled titanium dioxide nanocrystals. *Canadian Journal of Chemical Engineering*, **2012**, 90, 8-17	2.3	16
16	Biocompatible Chitosan-Functionalized Upconverting Nanocomposites. *ACS Omega*, **2018**, 3, 86-95	3.9	15
15	One-step synthesis of ordered Sn-substituted SBA-16 mesoporous materials using prepared silica source of rice husk and their selectively catalytic activity. *Canadian Journal of Chemical Engineering*, **2013**, 91, 34-46	2.3	15
14	Chitin Liquid-Crystal-Templated Oxide Semiconductor Aerogels. *ACS Applied Materials & Interfaces*, **2017**, 9, 30812-30820	9.5	14
13	Water-soluble chitosan-derived sustainable materials: towards filaments, aerogels, microspheres, and plastics. *Soft Matter*, **2017**, 13, 7292-7299	3.6	13
12	Self-aggregation of water-dispersible nanocollagen helices. *Biomaterials Science*, **2018**, 6, 651-660	7.4	7
11	Solid-state Na NMR spectroscopy studies of ordered and disordered cellulose nanocrystal films. *Solid State Nuclear Magnetic Resonance*, **2019**, 97, 31-39	3.1	7
10	Double Twisted Photonic Honeycomb Frameworks with Mesoporous Structures. *Advanced Optical Materials*, **2019**, 7, 1801275	8.1	6
9	Aerogel templating on functionalized fibers of nanocellulose networks. *Materials Chemistry Frontiers*, **2018**, 2, 1655-1663	7.8	5
8	Biomimetic Mesoporous Cobalt Ferrite/Carbon Nanoflake Helices for Freestanding Lithium-Ion Battery Anodes. *ChemistrySelect*, **2020**, 5, 8207-8217	1.8	4
7	Mesoporous Cobalt Tungsten Oxide Heterostructured Nanotoroids for Gas Sensing. *Advanced Materials Interfaces*, **2018**, 5, 1800269	4.6	3
6	Synthesis of perovskite-based nanocomposites for deNOx catalytic activity. *Canadian Journal of Chemistry*, **2016**, 94, 215-220	0.9	2
5	Water-soluble acetylated chitosan-stabilized gold nanosphere bioprobes. *Materials Chemistry and Physics*, **2015**, 149-150, 324-332	4.4	2
4	Luminescent NaYF4:Yb,Er upconversion nanocrystal colloids: Towards controlled synthesis and near-infrared optical response. *Canadian Journal of Chemical Engineering*, **2017**, 95, 1489-1496	2.3	1
3	Nanofibrillar alginic acid-derived hierarchical porous carbon supercapacitors. *Canadian Journal of Chemical Engineering*, **2014**, 92, 796-802	2.3	1

2	Back Cover: Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures (Angew. Chem. Int. Ed. 27/2012). *Angewandte Chemie - International Edition*, **2012**, 51, 6794-6794	16.4	1
1	Structural Design of Near-Infrared Light-Active Cu/TiO2/NaYF4:Yb,Er Nanocomposite Photocatalysts. *Journal of Electronic Materials*, **2019**, 48, 329-336	1.9	1