Nonappa

List of Publications by Year in Descending Order

92 papers	2,382 citations	27 h-index	45 g-index
104 ext. papers	3,070 ext. citations	7.5 avg, IF	5.52 L-index

#	Paper	IF	Citations
92	Shell-Isolated Assembly of Atomically Precise Nanoclusters on Gold Nanorods for Integrated Plasmonic-Luminescent Nanocomposites.. *Journal of Physical Chemistry B*, **2022**, 126, 1842-1851	3.4	0
91	Aging-Induced Structural Transition of Nanoscale Oleanolic Acid Amphiphiles and Selectivity against Gram-Positive Bacteria. *ACS Applied Nano Materials*, **2022**, 5, 3799-3810	5.6	1
90	DNA-Origami-Templated Growth of Multilamellar Lipid Assemblies. *Angewandte Chemie*, **2021**, 133, 840-846	3.6	0
89	Compressive stress-mediated p38 activation required for ER+ phenotype in breast cancer. *Nature Communications*, **2021**, 12, 6967	17.4	1
88	Experimental and Simulation Study of the Solvent Effects on the Intrinsic Properties of Spherical Lignin Nanoparticles. *Journal of Physical Chemistry B*, **2021**, 125, 12315-12328	3.4	1
87	DNA-Origami-Templated Growth of Multilamellar Lipid Assemblies. *Angewandte Chemie - International Edition*, **2021**, 60, 827-833	16.4	9
86	Nanocellulose: Recent Fundamental Advances and Emerging Biological and Biomimicking Applications. *Advanced Materials*, **2021**, 33, e2004349	24	81
85	Hexagonal Microparticles from Hierarchical Self-Organization of Chiral Trigonal Pd3L6 Macrotetracycles. *Cell Reports Physical Science*, **2021**, 2, 100303	6.1	1
84	Luminescent Gold Nanocluster-Methylcellulose Composite Optical Fibers with Low Attenuation Coefficient and High Photostability. *Small*, **2021**, 17, e2005205	11	8
83	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. *Journal of Physical Chemistry C*, **2021**, 125, 3256-3267	3.8	5
82	Rapid Self-Healing and Thixotropic Organogelation of Amphiphilic Oleanolic Acid-Spermine Conjugates. *Langmuir*, **2021**, 37, 2693-2706	4	5
81	Bioinspired Functionally Graded Composite Assembled Using Cellulose Nanocrystals and Genetically Engineered Proteins with Controlled Biomineralization. *Advanced Materials*, **2021**, 33, e2102658	24	5
80	Self-Assembly of Precision Noble Metal Nanoclusters: Hierarchical Structural Complexity, Colloidal Superstructures, and Applications. *Small*, **2021**, 17, e2005718	11	27
79	Engineered protein cages for selective heparin encapsulation. *Journal of Materials Chemistry B*, **2021**, 9, 1272-1276	7.3	7
78	Light-Triggered Reversible Supracolloidal Self-Assembly of Precision Gold Nanoclusters. *ACS Applied Materials & Interfaces*, **2020**, 12, 14569-14577	9.5	17
77	Self-healing, luminescent metallogelation driven by synergistic metallophilic and fluorine-fluorine interactions. *Soft Matter*, **2020**, 16, 2795-2802	3.6	5
76	Chapter 6:Multinuclear and Solid State NMR of Gels. *New Developments in NMR*, **2020**, 200-227	0.9	1

75	Spermine amides of selected triterpenoid acids: dynamic supramolecular system formation influences the cytotoxicity of the drugs. *Journal of Materials Chemistry B*, **2020**, 8, 484-491	7.3	12
74	Atom transfer between precision nanoclusters and polydispersed nanoparticles: a facile route for monodisperse alloy nanoparticles and their superstructures. *Nanoscale*, **2020**, 12, 22116-22128	7.7	9
73	Controllable coacervation of recombinantly produced spider silk protein using kosmotropic salts. *Journal of Colloid and Interface Science*, **2020**, 560, 149-160	9.3	4
72	Luminescent gold nanoclusters for bioimaging applications. *Beilstein Journal of Nanotechnology*, **2020**, 11, 533-546	3	13
71	Cylindrical Zwitterionic Particles via Interpolyelectrolyte Complexation on Molecular Polymer Brushes. *Macromolecular Rapid Communications*, **2020**, 42, e2000401	4.8	1
70	Lyotropic liquid crystals and linear supramolecular polymers of end-functionalized oligosaccharides. *Chemical Communications*, **2019**, 55, 11739-11742	5.8	2
69	Soft cellulose II nanospheres: sol-gel behaviour, swelling and material synthesis. *Nanoscale*, **2019**, 11, 17773-17781	7.7	17
68	Biomimetic composites with enhanced toughening using silk-inspired triblock proteins and aligned nanocellulose reinforcements. *Science Advances*, **2019**, 5, eaaw2541	14.3	37
67	Infinite coordination polymer networks: metallogelation of aminopyridine conjugates and in situ silver nanoparticle formation. *Soft Matter*, **2019**, 15, 442-451	3.6	9
66	Strain-Stiffening of Agarose Gels. *ACS Macro Letters*, **2019**, 8, 670-675	6.6	34
65	Phthalocyanine-Virus Nanofibers as Heterogeneous Catalysts for Continuous-Flow Photo-Oxidation Processes. *Advanced Materials*, **2019**, 31, e1902582	24	13
64	Sustainable High Yield Route to Cellulose Nanocrystals from Bacterial Cellulose. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 14384-14388	8.3	15
63	Highly Luminescent Gold Nanocluster Frameworks. *Advanced Optical Materials*, **2019**, 7, 1900620	8.1	25
62	DNA origami directed 3D nanoparticle superlattice via electrostatic assembly. *Nanoscale*, **2019**, 11, 4546-4551	7.7	27
61	Methyl cellulose/cellulose nanocrystal nanocomposite fibers with high ductility. *European Polymer Journal*, **2019**, 112, 334-345	5.2	17
60	In Situ Generation of Chiroptically-Active Gold-Peptide Superstructures Promoted by Iodination. *ACS Nano*, **2019**, 13, 2158-2166	16.7	18
59	Advanced Materials through Assembly of Nanocelluloses. *Advanced Materials*, **2018**, 30, e1703779	24	340
58	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. *Angewandte Chemie*, **2018**, 130, 6632-6636	3.6	6

57	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. *Angewandte Chemie - International Edition*, **2018**, 57, 6522-6526	16.4	37
56	Self-Assembly of Electrostatic Cocrystals from Supercharged Fusion Peptides and Protein Cages. *ACS Macro Letters*, **2018**, 7, 318-323	6.6	30
55	Coacervation of resilin fusion proteins containing terminal functionalities. *Colloids and Surfaces B: Biointerfaces*, **2018**, 171, 590-596	6	6
54	Crystalline Cyclophane-Protein Cage Frameworks. *ACS Nano*, **2018**, 12, 8029-8036	16.7	27
53	Inverse Thermoreversible Mechanical Stiffening and Birefringence in a Methylcellulose/Cellulose Nanocrystal Hydrogel. *Biomacromolecules*, **2018**, 19, 2795-2804	6.9	35
52	Polymer brush guided templating on well-defined rod-like cellulose nanocrystals. *Polymer Chemistry*, **2018**, 9, 1650-1657	4.9	24
51	Hydrogen Bonding Directed Colloidal Self-Assembly of Nanoparticles into 2D Crystals, Capsids, and Supracolloidal Assemblies. *Advanced Functional Materials*, **2018**, 28, 1704328	15.6	37
50	Silica-gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. *International Journal of Nanomedicine*, **2018**, 13, 7939-7957	7.3	17
49	Polymer Nanowires with Highly Precise Internal Morphology and Topography. *Journal of the American Chemical Society*, **2018**, 140, 12736-12740	16.4	21
48	Self-Coacervation of a Silk-Like Protein and Its Use As an Adhesive for Cellulosic Materials. *ACS Macro Letters*, **2018**, 7, 1120-1125	6.6	18
47	Phase transitions as intermediate steps in the formation of molecularly engineered protein fibers. *Communications Biology*, **2018**, 1, 86	6.7	31
46	Bipyridine based metallogels: an unprecedented difference in photochemical and chemical reduction in the in situ nanoparticle formation. *Dalton Transactions*, **2017**, 46, 2793-2802	4.3	16
45	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. *Biomacromolecules*, **2017**, 18, 898-905	6.9	40
44	Hierarchical Supramolecular Cross-Linking of Polymers for Biomimetic Fracture Energy Dissipating Sacrificial Bonds and Defect Tolerance under Mechanical Loading. *ACS Macro Letters*, **2017**, 6, 210-214	6.6	21
43	Rapid self-healing and anion selectivity in metallosupramolecular gels assisted by fluorine-fluorine interactions. *Dalton Transactions*, **2017**, 46, 7309-7316	4.3	24
42	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. *Angewandte Chemie - International Edition*, **2017**, 56, 6473-6477	16.4	28
41	Halogenation dictates the architecture of amyloid peptide nanostructures. *Nanoscale*, **2017**, 9, 9805-9810	7.7	23
40	Retention of lysozyme activity by physical immobilization in nanocellulose aerogels and antibacterial effects. *Cellulose*, **2017**, 24, 2837-2848	5.5	25

39	Hierarchical self-assembly from nanometric micelles to colloidal spherical superstructures. *Polymer*, **2017**, 126, 177-187	3.9	10
38	Cooperative colloidal self-assembly of metal-protein superlattice wires. *Nature Communications*, **2017**, 8, 671	17.4	54
37	Aligning cellulose nanofibril dispersions for tougher fibers. *Scientific Reports*, **2017**, 7, 11860	4.9	52
36	Protein Coating of DNA Nanostructures for Enhanced Stability and Immunocompatibility. *Advanced Healthcare Materials*, **2017**, 6, 1700692	10.1	121
35	Titelbild: Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water-Dispersible Fluorous Supraparticles (Angew. Chem. 51/2017). *Angewandte Chemie*, **2017**, 129, 16309-16309	3.6	1
34	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water-Dispersible Fluorous Supraparticles. *Angewandte Chemie - International Edition*, **2017**, 56, 16186-16190	16.4	18
33	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water-Dispersible Fluorous Supraparticles. *Angewandte Chemie*, **2017**, 129, 16404-16408	3.6	1
32	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. *Angewandte Chemie*, **2017**, 129, 6573-6577	3.6	11
31	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. *Angewandte Chemie - International Edition*, **2016**, 55, 16035-16038	16.4	64
30	Solid state NMR studies of gels derived from low molecular mass gelators. *Soft Matter*, **2016**, 12, 6015-26	3.6	20
29	Caffeine as a Gelator. *Gels*, **2016**, 2,	4.2	6
28	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. *Angewandte Chemie*, **2016**, 128, 16269-16272	3.6	16
27	Cationic polymers for DNA origami coating - examining their binding efficiency and tuning the enzymatic reaction rates. *Nanoscale*, **2016**, 8, 11674-80	7.7	88
26	Electrical behaviour of native cellulose nanofibril/carbon nanotube hybrid aerogels under cyclic compression. *RSC Advances*, **2016**, 6, 89051-89056	3.7	17
25	Rod-Like Nanoparticles with Striped and Helical Topography. *ACS Macro Letters*, **2016**, 5, 1185-1190	6.6	27
24	Hydrogen bonding asymmetric star-shape derivative of bile acid leads to supramolecular fibrillar aggregates that wrap into micrometer spheres. *Soft Matter*, **2016**, 12, 7159-65	3.6	16
23	Studies on supramolecular gel formation using DOSY NMR. *Magnetic Resonance in Chemistry*, **2015**, 53, 256-60	2.1	28
22	Synthesis, Characterization, Thermal and Antimicrobial studies of N-substituted Sulfanilamide derivatives. *Journal of Molecular Structure*, **2014**, 1060, 280-290	3.4	19

21	Diversity in Itraconazole Cocrystals with Aliphatic Dicarboxylic Acids of Varying Chain Length. *Crystal Growth and Design*, **2013**, 13, 4877-4884	3.5	39
20	Association of 2-acylaminopyridines and benzoic acids. Steric and electronic substituent effect studied by XRD, solution and solid-state NMR and calculations. *Journal of Molecular Structure*, **2013**, 1054-1055, 157-163	3.4	4
19	Subcomponent self-assembly: a quick way to new metallogels. *Chemistry - A European Journal*, **2013** , 19, 12978-81	4.8	59
18	Evidence of Weak Halogen Bonding: New Insights on Itraconazole and its Succinic Acid Cocrystal. *Crystal Growth and Design*, **2013**, 13, 346-351	3.5	25
17	Structural studies of five novel bile acid-4-aminopyridine conjugates. *Steroids*, **2012**, 77, 1141-51	2.8	7
16	A steroid-based gelator of A(LS)2 type: tuning gel properties by metal coordination. *Soft Matter*, **2012**, 8, 7840	3.6	26
15	Cyclic dipeptides: catalyst/promoter-free, rapid and environmentally benign cyclization of free amino acids. *Green Chemistry*, **2011**, 13, 1203	10	32
14	Design, synthesis and stimuli responsive gelation of novel stigmasterol-amino acid conjugates. *Journal of Colloid and Interface Science*, **2011**, 361, 587-93	9.3	37
13	N-{4-[(3-Methyl-phen-yl)sulfamo-yl]phen-yl}benzamide. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o2866		
12	Bile acid-derived mono- and diketals--synthesis, structural characterization and self-assembling properties. *Organic and Biomolecular Chemistry*, **2010**, 8, 2784-94	3.9	15
11	Synthesis, aggregation behavior and cholesterol solubilization studies of 16-epi-pythocholic acid (3 alpha,12 alpha,16 beta-trihydroxy-5 beta-cholan-24-oic acid). *Steroids*, **2010**, 75, 506-12	2.8	1
10	Bile acid□amino acid ester conjugates: gelation, structural properties, and thermoreversible solid to solid phase transition. *Soft Matter*, **2010**, 6, 3789	3.6	38
9	Supramolecular architectures formed by co-crystallization of bile acids and melamine. *CrystEngComm*, **2010**, 12, 4304	3.3	18
8	Unraveling the packing pattern leading to gelation using SS NMR and X-ray diffraction: direct observation of the evolution of self-assembled fibers. *Soft Matter*, **2010**, 6, 1748	3.6	41
7	Facile synthesis of 5□cholane-sym-triazine conjugates starting from metformin and bile acid methyl esters: Liquid and solid state NMR characterization and single crystal structure of lithocholyl triazine. *Journal of Molecular Structure*, **2009**, 936, 270-276	3.4	2
6	Solid-State NMR, X-ray Diffraction, and Thermoanalytical Studies Towards the Identification, Isolation, and Structural Characterization of Polymorphs in Natural Bile Acids. *Crystal Growth and Design*, **2009**, 9, 4710-4719	3.5	18
5	Unlocking the potential of bile acids in synthesis, supramolecular/materials chemistry and nanoscience. *Organic and Biomolecular Chemistry*, **2008**, 6, 657-69	3.9	108
4	Simple esters of cholic acid as potent organogelators: direct imaging of the collapse of SAFINs. *Soft Matter*, **2007**, 3, 1428-1433	3.6	28

3	CuI-mediated cross-coupling of aryl halides with oximes: a direct access to O-aryloximes. *Organic Letters*, **2007**, 9, 2767-70	6.2	61
2	First Chemical Synthesis, Aggregation Behavior and Cholesterol Solubilization Properties of Pythocholic Acid and 16-Hydroxycholic Acid. *European Journal of Organic Chemistry*, **2007**, 2007, 3331-3336	3.2	13
1	Janus-Type Dendrimers Based on Highly Branched Fluorinated Chains with Tunable Self-Assembly and 19F Nuclear Magnetic Resonance Properties. *Macromolecules*,	5.5	4