

# Nonappa

## List of Publications by Year in descending order

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98  
papers

3,679  
citations

136940

32  
h-index

155644

55  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Materials through Assembly of Nanocelluloses. <i>Advanced Materials</i> , 2018, 30, e1703779.	21.0	493
2	Nanocellulose: Recent Fundamental Advances and Emerging Biological and Biomimicking Applications. <i>Advanced Materials</i> , 2021, 33, e2004349.	21.0	212
3	Protein Coating of DNA Nanostructures for Enhanced Stability and Immunocompatibility. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700692.	7.6	166
4	Unlocking the potential of bile acids in synthesis, supramolecular/materials chemistry and nanoscience. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 657.	2.8	120
5	Cationic polymers for DNA origami coating – examining their binding efficiency and tuning the enzymatic reaction rates. <i>Nanoscale</i> , 2016, 8, 11674-11680.	5.6	109
6	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16035-16038.	13.8	86
7	Aligning cellulose nanofibril dispersions for tougher fibers. <i>Scientific Reports</i> , 2017, 7, 11860.	3.3	79
8	Strain-Stiffening of Agarose Gels. <i>ACS Macro Letters</i> , 2019, 8, 670-675.	4.8	78
9	Self-Assembly of Precision Noble Metal Nanoclusters: Hierarchical Structural Complexity, Colloidal Superstructures, and Applications. <i>Small</i> , 2021, 17, e2005718.	10.0	76
10	Cooperative colloidal self-assembly of metal-protein superlattice wires. <i>Nature Communications</i> , 2017, 8, 671.	12.8	73
11	Biomimetic composites with enhanced toughening using silk-inspired triblock proteins and aligned nanocellulose reinforcements. <i>Science Advances</i> , 2019, 5, eaaw2541.	10.3	73
12	Subcomponent Self-Assembly: A Quick Way to New Metallogels. <i>Chemistry - A European Journal</i> , 2013, 19, 12978-12981.	3.3	70
13	CuI-Mediated Cross-Coupling of Aryl Halides with Oximes: A Direct Access to O-Aryloximes. <i>Organic Letters</i> , 2007, 9, 2767-2770.	4.6	65
14	Phase transitions as intermediate steps in the formation of molecularly engineered protein fibers. <i>Communications Biology</i> , 2018, 1, 86.	4.4	59
15	Complexes of Magnetic Nanoparticles with Cellulose Nanocrystals as Regenerable, Highly Efficient, and Selective Platform for Protein Separation. <i>Biomacromolecules</i> , 2017, 18, 898-905.	5.4	57
16	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6522-6526.	13.8	57
17	Hydrogen Bonding Directed Colloidal Self-Assembly of Nanoparticles into 2D Crystals, Capsids, and Supracolloidal Assemblies. <i>Advanced Functional Materials</i> , 2018, 28, 1704328.	14.9	53
18	Diversity in Itraconazole Cocrystals with Aliphatic Dicarboxylic Acids of Varying Chain Length. <i>Crystal Growth and Design</i> , 2013, 13, 4877-4884.	3.0	48

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19	Self-Assembly of Electrostatic Cocystals from Supercharged Fusion Peptides and Protein Cages. ACS Macro Letters, 2018, 7, 318-323.	4.8	47
20	Inverse Thermoreversible Mechanical Stiffening and Birefringence in a Methylcellulose/Cellulose Nanocrystal Hydrogel. Biomacromolecules, 2018, 19, 2795-2804.	5.4	47
21	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.	2.7	43
22	Highly Luminescent Gold Nanocluster Frameworks. Advanced Optical Materials, 2019, 7, 1900620.	7.3	42
23	DNA origami directed 3D nanoparticle superlattice <i>via</i> electrostatic assembly. Nanoscale, 2019, 11, 4546-4551.	5.6	42
24	Bile acid- $\alpha$ -amino acid ester conjugates: gelation, structural properties, and thermoreversible solid to solid phase transition. Soft Matter, 2010, 6, 3789.	2.7	40
25	Cyclic dipeptides: catalyst/promoter-free, rapid and environmentally benign cyclization of free amino acids. Green Chemistry, 2011, 13, 1203.	9.0	40
26	Polymer brush guided templating on well-defined rod-like cellulose nanocrystals. Polymer Chemistry, 2018, 9, 1650-1657.	3.9	39
27	Crystalline Cyclophane- $\alpha$ -Protein Cage Frameworks. ACS Nano, 2018, 12, 8029-8036.	14.6	39
28	Design, synthesis and stimuli responsive gelation of novel stigmasterol- $\alpha$ -amino acid conjugates. Journal of Colloid and Interface Science, 2011, 361, 587-593.	9.4	38
29	Rapid self-healing and anion selectivity in metallosupramolecular gels assisted by fluorine- $\alpha$ -fluorine interactions. Dalton Transactions, 2017, 46, 7309-7316.	3.3	36
30	Retention of lysozyme activity by physical immobilization in nanocellulose aerogels and antibacterial effects. Cellulose, 2017, 24, 2837-2848.	4.9	36
31	Light-Triggered Reversible Supracolloidal Self-Assembly of Precision Gold Nanoclusters. ACS Applied Materials & Interfaces, 2020, 12, 14569-14577.	8.0	36
32	Rod-Like Nanoparticles with Striped and Helical Topography. ACS Macro Letters, 2016, 5, 1185-1190.	4.8	35
33	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. Angewandte Chemie - International Edition, 2017, 56, 6473-6477.	13.8	34
34	Methyl cellulose/cellulose nanocrystal nanocomposite fibers with high ductility. European Polymer Journal, 2019, 112, 334-345.	5.4	34
35	Studies on supramolecular gel formation using DOSY NMR. Magnetic Resonance in Chemistry, 2015, 53, 256-260.	1.9	33
36	Halogenation dictates the architecture of amyloid peptide nanostructures. Nanoscale, 2017, 9, 9805-9810.	5.6	33

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37	Polymer Nanowires with Highly Precise Internal Morphology and Topography. <i>Journal of the American Chemical Society</i> , 2018, 140, 12736-12740.	13.7	33
38	Simple esters of cholic acid as potent organogelators: direct imaging of the collapse of SAFINs. <i>Soft Matter</i> , 2007, 3, 1428.	2.7	32
39	Evidence of Weak Halogen Bonding: New Insights on Itraconazole and its Succinic Acid Cocrystal. <i>Crystal Growth and Design</i> , 2013, 13, 346-351.	3.0	31
40	Luminescent gold nanoclusters for bioimaging applications. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 533-546.	2.8	31
41	Soft cellulose II nanospheres: sol-gel behaviour, swelling and material synthesis. <i>Nanoscale</i> , 2019, 11, 17773-17781.	5.6	30
42	A steroid-based gelator of A(LS) <sub>2</sub> type: tuning gel properties by metal coordination. <i>Soft Matter</i> , 2012, 8, 7840.	2.7	29
43	Solid state NMR studies of gels derived from low molecular mass gelators. <i>Soft Matter</i> , 2016, 12, 6015-6026.	2.7	29
44	Self-Coacervation of a Silk-Like Protein and Its Use As an Adhesive for Cellulosic Materials. <i>ACS Macro Letters</i> , 2018, 7, 1120-1125.	4.8	29
45	DNA-Origami-Templated Growth of Multilamellar Lipid Assemblies. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 827-833.	13.8	29
46	Sustainable High Yield Route to Cellulose Nanocrystals from Bacterial Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14384-14388.	6.7	28
47	Controllable coacervation of recombinantly produced spider silk protein using kosmotropic salts. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 149-160.	9.4	28
48	Hierarchical Supramolecular Cross-Linking of Polymers for Biomimetic Fracture Energy Dissipating Sacrificial Bonds and Defect Tolerance under Mechanical Loading. <i>ACS Macro Letters</i> , 2017, 6, 210-214.	4.8	27
49	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water-Dispersible Fluorous Supraparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16186-16190.	13.8	27
50	Synthesis, Characterization, Thermal and Antimicrobial studies of N-substituted Sulfanilamide derivatives. <i>Journal of Molecular Structure</i> , 2014, 1060, 280-290.	3.6	25
51	Phthalocyanine-Virus Nanofibers as Heterogeneous Catalysts for Continuous-Flow Photo-Oxidation Processes. <i>Advanced Materials</i> , 2019, 31, e1902582.	21.0	25
52	<i>In Situ</i> Generation of Chiroptically-Active Gold-Peptide Superstructures Promoted by Iodination. <i>ACS Nano</i> , 2019, 13, 2158-2166.	14.6	25
53	Luminescent Gold Nanocluster-Methylcellulose Composite Optical Fibers with Low Attenuation Coefficient and High Photostability. <i>Small</i> , 2021, 17, e2005205.	10.0	25
54	Spermine amides of selected triterpenoid acids: dynamic supramolecular system formation influences the cytotoxicity of the drugs. <i>Journal of Materials Chemistry B</i> , 2020, 8, 484-491.	5.8	22

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55	Bioinspired Functionally Graded Composite Assembled Using Cellulose Nanocrystals and Genetically Engineered Proteins with Controlled Biomineralization. <i>Advanced Materials</i> , 2021, 33, e2102658.	21.0	22
56	Compressive stress-mediated p38 activation required for ER $\alpha$ phenotype in breast cancer. <i>Nature Communications</i> , 2021, 12, 6967.	12.8	22
57	Solid-State NMR, X-ray Diffraction, and Thermoanalytical Studies Towards the Identification, Isolation, and Structural Characterization of Polymorphs in Natural Bile Acids. <i>Crystal Growth and Design</i> , 2009, 9, 4710-4719.	3.0	21
58	Experimental and Simulation Study of the Solvent Effects on the Intrinsic Properties of Spherical Lignin Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12315-12328.	2.6	21
59	Electrical behaviour of native cellulose nanofibril/carbon nanotube hybrid aerogels under cyclic compression. <i>RSC Advances</i> , 2016, 6, 89051-89056.	3.6	20
60	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3256-3267.	3.1	20
61	Supramolecular architectures formed by co-crystallization of bile acids and melamine. <i>CrystEngComm</i> , 2010, 12, 4304.	2.6	19
62	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. <i>Angewandte Chemie</i> , 2016, 128, 16269-16272.	2.0	19
63	Hydrogen bonding asymmetric star-shape derivative of bile acid leads to supramolecular fibrillar aggregates that wrap into micrometer spheres. <i>Soft Matter</i> , 2016, 12, 7159-7165.	2.7	19
64	Bipyridine based metallogels: an unprecedented difference in photochemical and chemical reduction in the in situ nanoparticle formation. <i>Dalton Transactions</i> , 2017, 46, 2793-2802.	3.3	19
65	From Precision Colloidal Hybrid Materials to Advanced Functional Assemblies. <i>Accounts of Chemical Research</i> , 2022, 55, 1785-1795.	15.6	19
66	Silica&ndash;gentamicin nanohybrids: combating antibiotic resistance, bacterial biofilms, and in vivo toxicity. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7939-7957.	6.7	18
67	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. <i>Angewandte Chemie</i> , 2017, 129, 6573-6577.	2.0	18
68	First Chemical Synthesis, Aggregation Behavior and Cholesterol Solubilization Properties of Pythocholic Acid and 16 $\alpha$ -Hydroxycholeic Acid. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3331-3336.	2.4	17
69	Engineered protein cages for selective heparin encapsulation. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1272-1276.	5.8	17
70	Rapid Self-Healing and Thixotropic Organogelation of Amphiphilic Oleanolic Acid&quot;Spermine Conjugates. <i>Langmuir</i> , 2021, 37, 2693-2706.	3.5	16
71	Bile acid-derived mono- and diketals&quot; synthesis, structural characterization and self-assembling properties. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2784.	2.8	15
72	Hierarchical self-assembly from nanometric micelles to colloidal spherical superstructures. <i>Polymer</i> , 2017, 126, 177-187.	3.8	15

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73	Atom transfer between precision nanoclusters and polydispersed nanoparticles: a facile route for monodisperse alloy nanoparticles and their superstructures. <i>Nanoscale</i> , 2020, 12, 22116-22128.	5.6	15
74	Infinite coordination polymer networks: metallogelation of aminopyridine conjugates and in situ silver nanoparticle formation. <i>Soft Matter</i> , 2019, 15, 442-451.	2.7	13
75	Janus-Type Dendrimers Based on Highly Branched Fluorinated Chains with Tunable Self-Assembly and <sup>19</sup> F Nuclear Magnetic Resonance Properties. <i>Macromolecules</i> , 0, , .	4.8	13
76	Coacervation of resilin fusion proteins containing terminal functionalities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 590-596.	5.0	12
77	Shell-Isolated Assembly of Atomically Precise Nanoclusters on Gold Nanorods for Integrated Plasmonic-Luminescent Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1842-1851.	2.6	11
78	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie</i> , 2018, 130, 6632-6636.	2.0	10
79	Methylcellulose-Cellulose Nanocrystal Composites for Optomechanically Tunable Hydrogels and Fibers. <i>Materials</i> , 2021, 14, 5137.	2.9	10
80	Caffeine as a Gelator. <i>Gels</i> , 2016, 2, 9.	4.5	9
81	Cylindrical Zwitterionic Particles via Interpolyelectrolyte Complexation on Molecular Polymer Brushes. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000401.	3.9	9
82	Structural studies of five novel bile acid-4-aminopyridine conjugates. <i>Steroids</i> , 2012, 77, 1141-1151.	1.8	7
83	Self-healing, luminescent metallogelation driven by synergistic metallophilic and fluorine-fluorine interactions. <i>Soft Matter</i> , 2020, 16, 2795-2802.	2.7	7
84	Hexagonal Microparticles from Hierarchical Self-Organization of Chiral Trigonal Pd3L6 Macrotetracycles. <i>Cell Reports Physical Science</i> , 2021, 2, 100303.	5.6	7
85	Interference of Phosphate in Adsorption of Arsenate and Arsenite over Confined Metastable Two-Line Ferrihydrite and Magnetite. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22502-22512.	3.1	7
86	Ageing-Induced Structural Transition of Nanoscale Oleanolic Acid Amphiphiles and Selectivity against Gram-Positive Bacteria. <i>ACS Applied Nano Materials</i> , 2022, 5, 3799-3810.	5.0	7
87	Carboxymethyl Cellulose (CMC) Optical Fibers for Environment Sensing and Short-Range Optical Signal Transmission. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3315-3323.	8.0	6
88	Facile synthesis of 5 $\beta$ -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. <i>Journal of Molecular Structure</i> , 2009, 936, 270-276.	3.6	5
89	Association of 2-acylaminopyridines and benzoic acids. Steric and electronic substituent effect studied by XRD, solution and solid-state NMR and calculations. <i>Journal of Molecular Structure</i> , 2013, 1054-1055, 157-163.	3.6	4
90	Lyotropic liquid crystals and linear supramolecular polymers of end-functionalized oligosaccharides. <i>Chemical Communications</i> , 2019, 55, 11739-11742.	4.1	4

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91	Synthesis, aggregation behavior and cholesterol solubilization studies of 16-epi-pythocholic acid (3 $\beta$ ,12 $\beta$ ,16 $\beta$ -trihydroxy-5 $\beta$ -cholan-24-oic acid). Steroids, 2010, 75, 506-512.	1.8	3
92	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water $\alpha$ -Dispersible Fluorous Supraparticles. Angewandte Chemie, 2017, 129, 16404-16408.	2.0	2
93	Cellulose optical fiber for sensing applications. , 2022, , .		2
94	Titelbild: Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Water $\alpha$ -Dispersible Fluorous Supraparticles (Angew. Chem. 51/2017). Angewandte Chemie, 2017, 129, 16309-16309.	2.0	1
95	Multinuclear and Solid State NMR of Gels. New Developments in NMR, 2020, , 200-227.	0.1	1
96	DNA $\alpha$ -Origami $\alpha$ -Templated Growth of Multilamellar Lipid Assemblies. Angewandte Chemie, 2021, 133, 840-846.	2.0	1
97	N-{4-[(3-Methylphenyl)sulfamoyl]phenyl}benzamide. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2866-o2866.	0.2	0
98	Abstract 2966: Novel ex vivo model for ER $\alpha$ positive breast cancer. , 2021, , .		0