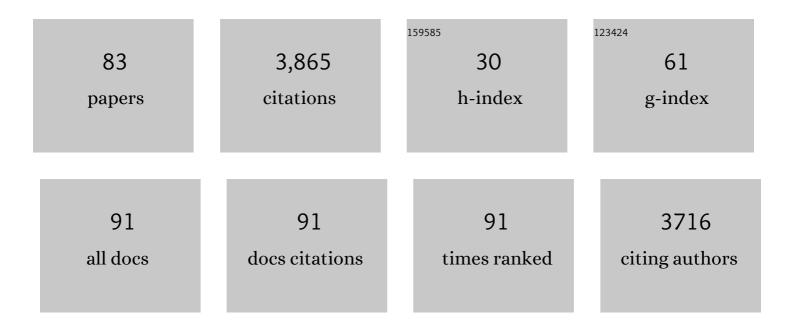
List of Publications by Year in descending order

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ΤΑΤΩΙΙΧΑ ΝΙΩΗΙΜΠΡΑ

#	Article	IF	CITATIONS
1	An Acidic Matrix Protein, Pif, Is a Key Macromolecule for Nacre Formation. Science, 2009, 325, 1388-1390.	12.6	625
2	Detection and Amplification of Chirality by Helical Polymers. Chemistry - A European Journal, 2004, 10, 42-51.	3.3	535
3	Supramolecular Chirality of Thermotropic Liquid-Crystalline Folic Acid Derivatives. Angewandte Chemie - International Edition, 2004, 43, 1969-1972.	13.8	181
4	Self-Organization of Oriented Calcium Carbonate/Polymer Composites: Effects of a Matrix Peptide Isolated from the Exoskeleton of a Crayfish. Angewandte Chemie - International Edition, 2006, 45, 2876-2879.	13.8	143
5	Biomineralization-inspired synthesis of functional organic/inorganic hybrid materials: organic molecular control of self-organization of hybrids. Organic and Biomolecular Chemistry, 2015, 13, 974-989.	2.8	139
6	Nanosegregated Amorphous Composites of Calcium Carbonate and an Organic Polymer. Advanced Materials, 2008, 20, 3633-3637.	21.0	119
7	Macromolecular Templating for the Formation of Inorganic-Organic Hybrid Structures. MRS Bulletin, 2010, 35, 127-132.	3.5	107
8	Macroscopically Ordered Polymer/CaCO ₃ Hybrids Prepared by Using a Liquidâ€Crystalline Template. Angewandte Chemie - International Edition, 2008, 47, 2800-2803.	13.8	89
9	Macromolecular Helicity Induction on a Poly(phenylacetylene) with C2-Symmetric Chiral [60]Fullerene-Bisadducts. Journal of the American Chemical Society, 2004, 126, 11711-11717.	13.7	88
10	Use of Amorphous Calcium Carbonate for the Design of New Materials. ChemPlusChem, 2017, 82, 107-120.	2.8	85
11	Helix-Sense-Selective Synthesis of Right- and Left-Handed Helical Luminescent Poly(diphenylacetylene)s with Memory of the Macromolecular Helicity and Their Helical Structures. Journal of the American Chemical Society, 2020, 142, 7668-7682.	13.7	83
12	First Isolation and Characterization of Eight Regioisomers for [60]Fullereneâ^'Benzyne Bisadducts. Organic Letters, 2001, 3, 1193-1196.	4.6	81
13	A Helical Array of Pendant Fullerenes on an Optically Active Polyphenylacetylene. Angewandte Chemie - International Edition, 2002, 41, 3602-3604.	13.8	78
14	Stimuli-responsive hydroxyapatite liquid crystal with macroscopically controllable ordering and magneto-optical functions. Nature Communications, 2018, 9, 568.	12.8	74
15	Bioinspired stiff and flexible composites of nanocellulose-reinforced amorphous CaCO3. Materials Horizons, 2014, 1, 321.	12.2	70
16	Formation of Helically Structured Chitin/CaCO ₃ Hybrids through an Approach Inspired by the Biomineralization Processes of Crustacean Cuticles. Small, 2015, 11, 5127-5133.	10.0	69
17	Spin Filtering Along Chiral Polymers. Angewandte Chemie - International Edition, 2020, 59, 14671-14676.	13.8	64
18	Three-Dimensional Relief Structures of CaCO ₃ Crystal Assemblies Formed by Spontaneous Two-Step Crystal Growth on a Polymer Thin Film. Crystal Growth and Design, 2009, 9, 622-625.	3.0	57

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19	CaCO3/chitin-whisker hybrids: formation of CaCO3 crystals in chitin-based liquid-crystalline suspension. Polymer Journal, 2010, 42, 583-586.	2.7	57
20	Highly selective and straightforward recovery of gold and platinum from acidic waste effluents using cellulose-based bio-adsorbent. Journal of Hazardous Materials, 2021, 410, 124569.	12.4	54
21	Effects of Peptides on CaCO ₃ Crystallization: Mineralization Properties of an Acidic Peptide Isolated from Exoskeleton of Crayfish and Its Derivatives. Crystal Growth and Design, 2008, 8, 4062-4065.	3.0	48
22	Aragonite Nanorods in Calcium Carbonate/Polymer Hybrids Formed through Selfâ€Organization Processes from Amorphous Calcium Carbonate Solution. Small, 2014, 10, 1634-1641.	10.0	46
23	Helical springs as a color indicator for determining chirality and enantiomeric excess. Science Advances, 2021, 7, .	10.3	44
24	Selective synthesis and thin-film formation of α-cobalt hydroxide through an approach inspired by biomineralization. Journal of Materials Chemistry, 2008, 18, 4140.	6.7	40
25	Calcium Carbonate/Polymer Thin-Film Hybrids: Induction of the Formation of Patterned Aragonite Crystals by Thermal Treatment of a Polymer Matrix. Polymer Journal, 2009, 41, 522-523.	2.7	38
26	Effects of Magnesium Ions and Water Molecules on the Structure of Amorphous Calcium Carbonate: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2013, 117, 14849-14856.	2.6	38
27	Liquid-crystalline calcium carbonate: biomimetic synthesis and alignment of nanorod calcite. Chemical Science, 2015, 6, 6230-6234.	7.4	36
28	Selective recovery of silver and palladium from acidic waste solutions using dithiocarbamate-functionalized cellulose. Chemical Engineering Journal, 2021, 407, 127225.	12.7	36
29	Tuning the Stability of CaCO ₃ Crystals with Magnesium Ions for the Formation of Aragonite Thin Films on Organic Polymer Templates. Chemistry - an Asian Journal, 2013, 8, 3002-3009.	3.3	35
30	Facile and Versatile Synthesis of Endâ€Functionalized Poly(phenylacetylene)s: A Multicomponent Catalytic System for Wellâ€Controlled Living Polymerization of Phenylacetylenes. Angewandte Chemie - International Edition, 2020, 59, 8670-8680.	13.8	33
31	Synthesis and property of helical poly(phenylacetylene)s bearing chiral ruthenium complexes and real space imaging of meso- and nanoscopic structures by atomic force microscopy. Journal of Polymer Science Part A, 2004, 42, 4621-4640.	2.3	31
32	Systematic Enantiomeric Separation of [60]Fullerene Bisadducts Possessing an Inherent Chiral Addition Pattern. Journal of Organic Chemistry, 2003, 68, 3251-3257.	3.2	27
33	A helical array of pendant fullerenes on a helical poly(phenylacetylene) induced by non-covalent chiral interactionsElectronic Supplementary Information (ESI) available: Full synthetic and analytical details and UV-vis, CD, IR and NMR spectra of the copolymers. See http://www.rsc.org/suppdata/cc/b3/b312511d/. Chemical Communications. 2004 646.	4.1	26
34	Crystallization of unidirectionally oriented fibrous calcium carbonate on thermo-responsive polymer brush matrices. CrystEngComm, 2010, 12, 2021.	2.6	26
35	Photoimaging of Selfâ€Organized CaCO ₃ /Polymer Hybrid Films by Formation of Regular Relief and Flat Surface Morphologies. Angewandte Chemie - International Edition, 2011, 50, 5856-5859.	13.8	26
36	Macromolecular templates for the development of organic/inorganic hybrid materials. Polymer Journal, 2015, 47, 235-243.	2.7	26

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37	Hydroxyapatite formation on oxidized cellulose nanofibers in a solution mimicking body fluid. Polymer Journal, 2015, 47, 158-163.	2.7	25
38	CaCO3/Chitin hybrids: recombinant acidic peptides based on a peptide extracted from the exoskeleton of a crayfish controls the structures of the hybrids. Faraday Discussions, 2012, 159, 483.	3.2	22
39	Rapid and topotactic transformation from octacalcium phosphate to hydroxyapatite (HAP): a new approach to self-organization of free-standing thin-film HAP-based nanohybrids. CrystEngComm, 2016, 18, 8388-8395.	2.6	21
40	Bioinspired Environmentally Friendly Amorphous CaCO ₃ -Based Transparent Composites Comprising Cellulose Nanofibers. ACS Omega, 2018, 3, 12722-12729.	3.5	21
41	Comparative evaluation of dithiocarbamate-modified cellulose and commercial resins for recovery of precious metals from aqueous matrices. Journal of Hazardous Materials, 2021, 418, 126308.	12.4	21
42	Helical Arrays of Pendant Fullerenes on Optically Active Poly(phenylacetylene)s. Chemistry - A European Journal, 2005, 11, 1181-1190.	3.3	20
43	Morphology tuning in the formation of vaterite crystal thin films with thermoresponsive poly(N-isopropylacrylamide) brush matrices. CrystEngComm, 2014, 16, 3540-3547.	2.6	19
44	Synthesis of Stereoregular Telechelic Poly(phenylacetylene)s: Facile Terminal Chain-End Functionalization of Poly(phenylacetylene)s by Terminative Coupling with Acrylates and Acrylamides in Rhodium-Catalyzed Living Polymerization of Phenylacetylenes. Journal of the American Chemical Society, 2021, 143, 3604-3612.	13.7	18
45	Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. Angewandte Chemie - International Edition, 2020, 59, 14772-14780.	13.8	17
46	Chirality induction on achiralN-methyl aromatic amide oligomers bearing terminal carboxy groups with chiral amines. Chirality, 2004, 16, S12-S22.	2.6	16
47	Biomineralizationâ€Inspired Preparation of Zinc Hydroxide Carbonate/Polymer Hybrids and Their Conversion into Zinc Oxide Thinâ€Film Photocatalysts. Chemistry - A European Journal, 2016, 22, 7094-7101.	3.3	16
48	Understanding the Polymerization of Diphenylacetylenes with Tantalum(V) Chloride and Cocatalysts: Production of Cyclic Poly(diphenylacetylene)s by Low-Valent Tantalum Species Generated in Situ. Journal of the American Chemical Society, 2021, 143, 16136-16146.	13.7	16
49	Preparation of Thin-film Hydroxyapatite/Polymer Hybrids. Chemistry Letters, 2011, 40, 458-460.	1.3	15
50	Biomineralization-inspired approach to the development of hybrid materials: preparation of patterned polymer/strontium carbonate thin films using thermoresponsive polymer brush matrices. Polymer Journal, 2014, 46, 499-504.	2.7	13
51	A Helical Array of Pendant Fullerenes on an Optically Active Polyphenylacetylene. Angewandte Chemie, 2002, 114, 3754-3756.	2.0	12
52	Supramolecular effects on formation of CaCO3thin films on a polymer matrix. CrystEngComm, 2014, 16, 1496-1501.	2.6	12
53	Heterogeneous growth of calcite at aragonite {001}- and vaterite {001}-melt interfaces: A molecular dynamics simulation study. Journal of Crystal Growth, 2016, 450, 148-159.	1.5	12
54	Liquidâ€Crystalline Biomacromolecular Templates for the Formation of Oriented Thinâ€Film Hybrids Composed of Ordered Chitin and Alkalineâ€Earth Carbonate. Chemistry - an Asian Journal, 2015, 10, 2356-2360.	3.3	10

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55	Facile and Versatile Synthesis of Endâ€Functionalized Poly(phenylacetylene)s: A Multicomponent Catalytic System for Wellâ€Controlled Living Polymerization of Phenylacetylenes. Angewandte Chemie, 2020, 132, 8748-8758.	2.0	10
56	Rhodium(I) Complexes Bearing an Aryl‣ubstituted 1,3,5â€Hexatriene Chain: Catalysts for Living Polymerization of Phenylacetylene and Potential Helical Chirality of 1,3,5â€Hexatrienes. Angewandte Chemie - International Edition, 2021, 60, 22201-22206.	13.8	10
57	Visualisation of helical structures of poly(diphenylacetylene)s bearing chiral amide pendants by atomic force microscopy. Chemical Communications, 2021, 57, 12266-12269.	4.1	10
58	One-dimensional supramolecular hybrids: self-assembled nanofibrous materials based on a sugar gelator and calcite developed along an unusual axis. CrystEngComm, 2017, 19, 1580-1584.	2.6	9
59	Speciation analysis of inorganic selenium in wastewater using a highly selective cellulose-based adsorbent via liquid electrode plasma optical emission spectrometry. Journal of Hazardous Materials, 2022, 424, 127250.	12.4	9
60	Organic/inorganic fusion materials: cyclodextrin-based polymer/CaCO3 hybrids incorporating dye molecules through host–guest interactions. Polymer Journal, 2015, 47, 122-127.	2.7	8
61	Spin Filtering Along Chiral Polymers. Angewandte Chemie, 2020, 132, 14779-14784.	2.0	8
62	Wellâ€Controlled Living Polymerization of Phenylacetylenes in Water: Synthesis of Waterâ€Soluble Stereoregular Telechelic Poly(phenylacetylene)s. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
63	Dithiocarbamate-modified cellulose-based sorbents with high storage stability for selective removal of arsenite and hazardous heavy metals. RSC Advances, 2020, 10, 30238-30244.	3.6	7
64	Periodic Surface-Ring Pattern Formation for Hydroxyapatite Thin Films Formed by Biomineralization-Inspired Processes. Langmuir, 2017, 33, 10077-10083.	3.5	6
65	Cross-linked dithiocarbamate-modified cellulose with enhanced thermal stability and dispersibility as a sorbent for arsenite removal. Chemosphere, 2022, 307, 135671.	8.2	6
66	Formation of Rectangular Plate-like α-MnOOH and Sheet-like γ-MnOOH by Slow Diffusion of Ammonia Vapor. Chemistry Letters, 2013, 42, 341-343.	1.3	5
67	Rhodium(I) Complexes Bearing an Arylâ€Substituted 1,3,5â€Hexatriene Chain: Catalysts for Living Polymerization of Phenylacetylene and Potential Helical Chirality of 1,3,5â€Hexatrienes. Angewandte Chemie, 2021, 133, 22375-22380.	2.0	5
68	Wellâ€Controlled Living Polymerization of <i>N</i> â€Propargylamides and Their Derivatives by Rhodium Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
69	Chitin: Formation of Helically Structured Chitin/CaCO3Hybrids through an Approach Inspired by the Biomineralization Processes of Crustacean Cuticles (Small 38/2015). Small, 2015, 11, 5126-5126.	10.0	3
70	Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. Angewandte Chemie, 2020, 132, 14882-14890.	2.0	3
71	Synthesis of Pentaarylcyclobutenylrhodium(I) Complexes and Their Reactivity and Initiation Mechanism in Polymerization of Monosubstituted Acetylenes. Organometallics, 2022, 41, 472-479.	2.3	1
72	Wellâ€Controlled Living Polymerization of <i>N</i> â€Propargylamides and Their Derivatives by Rhodium Catalysis. Angewandte Chemie, 2022, 134, .	2.0	1

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73	Bioinspired macromolecular templates for crystallographic orientation control of ZnO thin films through zinc hydroxide carbonate. Polymer Journal, 0, , .	2.7	1
74	Detection and Amplification of Chirality by Helical Polymers. ChemInform, 2004, 35, no.	0.0	0
75	Synthesis of Functional Hybrid Materials through Approaches Inspired by Biomineralization. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 495-499.	0.2	0
76	Frontispiece: Biomineralization-Inspired Preparation of Zinc Hydroxide Carbonate/Polymer Hybrids and Their Conversion into Zinc Oxide Thin-Film Photocatalysts. Chemistry - A European Journal, 2016, 22, .	3.3	0
77	Frontispiece: Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
78	Frontispiz: Revisiting the Polymerization of Diphenylacetylenes with Tungsten(VI) Chloride and Tetraphenyltin: An Alternative Mechanism by a Metathesis Catalytic System. Angewandte Chemie, 2020, 132, .	2.0	0
79	Design and Synthesis of Organic/Inorganic Hybrid Materials Inspired by Biomineralization: Morphology Control of Calcium Carbonate Thin Films using Polymers and Mg ²⁺ Ions. Oleoscience, 2014, 14, 417-423.	0.0	0
80	Titelbild: Wellâ€Controlled Living Polymerization of <i>N</i> â€Propargylamides and Their Derivatives by Rhodium Catalysis (Angew. Chem. 17/2022). Angewandte Chemie, 2022, 134, .	2.0	0
81	Wellâ€Controlled Living Polymerization of Phenylacetylenes in Water: Synthesis of Waterâ€Soluble Stereoregular Telechelic Poly(phenylacetylene)s. Angewandte Chemie, 2022, 134, .	2.0	0
82	Frontispiece: Wellâ€Controlled Living Polymerization of Phenylacetylenes in Water: Synthesis of Waterâ€Soluble Stereoregular Telechelic Poly(phenylacetylene)s. Angewandte Chemie - International Edition, 2022, 61, .	13.8	0
83	Frontispiz: Wellâ€Controlled Living Polymerization of Phenylacetylenes in Water: Synthesis of Waterâ€Soluble Stereoregular Telechelic Poly(phenylacetylene)s. Angewandte Chemie. 2022. 134	2.0	0