

# Wolfgang Tremel

## List of Publications by Year in Descending Order

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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.

487  
papers

16,477  
citations

68  
h-index

102  
g-index

558  
ext. papers

18,159  
ext. citations

7.1  
avg. IF

6.56  
L-index

#	Paper	IF	Citations
487	Advances in Graphene/Inorganic Nanoparticle Composites for Catalytic Applications.. <i>Chemical Record</i> , <b>2022</b> , e202100274	6.6	2
486	High-throughput synthesis of CeO nanoparticles for transparent nanocomposites repelling <i>Pseudomonas aeruginosa</i> biofilms.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3935	4.9	2
485	Transparent polycarbonate coated with CeO nanozymes repel PA14 biofilms.. <i>Nanoscale</i> , <b>2021</b> , 14, 86-98	7.7	2
484	A High-Performance Asymmetric Supercapacitor Based on Tungsten Oxide Nanoplates and Highly Reduced Graphene Oxide Electrodes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6973-6984	4.8	24
483	The Elusive Structure of Magadiite, Solved by 3D Electron Diffraction and Model Building. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3207-3219	9.6	6
482	A Generalized Method for High-Speed Fluorination of Metal Oxides by Spark Plasma Sintering Yields Ta O F and TaO F with High Photocatalytic Activity for Oxygen Evolution from Water. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007434	24	10
481	Three-Component Self-Assembly Changes its Course: A Leap from Simple Polymers to 3D Networks of Spherical Host-Guest Assemblies. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12132-12142	16.4	6
480	Determination of the LD with the chick embryo chorioallantoic membrane (CAM) assay as a promising alternative in nanotoxicological evaluation. <i>Nanotoxicology</i> , <b>2021</b> , 15, 690-705	5.3	1
479	Zinc Oxide Nanoparticles Can Intervene in Radiation-Induced Senescence and Eradicate Residual Tumor Cells. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
478	Insights into the In Vitro Formation of Apatite from Mg-Stabilized Amorphous Calcium Carbonate. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007830	15.6	6
477	Magneli-type tungsten oxide nanorods as catalysts for the selective oxidation of organic sulfides. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14027-14037	4.3	0
476	Gram-scale selective synthesis of WO nanorods and (NH)WO ammonium tungsten bronzes with tunable plasmonic properties. <i>Nanoscale</i> , <b>2021</b> , 13, 8146-8162	7.7	3
475	Understanding the Stability and Recrystallization Behavior of Amorphous Zinc Phosphate. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 2636-2647	3.8	1
474	Influence of Iron Sulfide Nanoparticle Sizes in Solid-State Batteries*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17952-17956	16.4	6
473	High-speed solid state fluorination of NbO yields NbOF and NbOF with photocatalytic activity for oxygen evolution from water. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6528-6538	4.3	1
472	Bone Scaffolds Based on Degradable Vaterite/PEG-Composite Microgels. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901820	10.1	6
471	Solid State Fluorination on the Minute Scale: Synthesis of WO <sub>3</sub> F <sub>x</sub> with Photocatalytic Activity. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909051	15.6	8

470	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Nanostructure Science and Technology</i> , <b>2020</b> , 195-278	0.9	4
469	Zinc oxide nanoparticles for therapeutic purposes in cancer medicine. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 4973-4989	7.3	42
468	Acid-Cleavable Poly(ethylene glycol) Hydrogels Displaying Protein Release at pH 5. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2947-2953	4.8	2
467	Nanocomposite antimicrobials prevent bacterial growth through the enzyme-like activity of Bi-doped cerium dioxide (CeBiO). <i>Nanoscale</i> , <b>2020</b> , 12, 21344-21358	7.7	9
466	Poly(methyl ethylene phosphate) hydrogels: Degradable and cell-repellent alternatives to PEG-hydrogels. <i>European Polymer Journal</i> , <b>2020</b> , 141, 110075	5.2	7
465	Facile synthesis of Pd@graphene nanocomposites with enhanced catalytic activity towards Suzuki coupling reaction. <i>Scientific Reports</i> , <b>2020</b> , 10, 11728	4.9	12
464	Selective Synthesis of Monodisperse CoO Nanooctahedra as Catalysts for Electrochemical Water Oxidation. <i>Langmuir</i> , <b>2020</b> , 36, 13804-13816	4	7
463	Monitoring a Mechanochemical Reaction Reveals the Formation of a New ACC Defect Variant Containing the HCO <sub>3</sub> <sup>-</sup> Anion Encapsulated by an Amorphous Matrix. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 6831-6846	3.5	4
462	Synthesis of Au, Ag, and Au-Ag Bimetallic Nanoparticles Using Extract and Their Catalytic Activity for the Reduction of 4-Nitrophenol. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	26
461	Hofmann-Like Frameworks Fe(2-methylpyrazine)[M(CN)] (M = Au, Ag): Spin-Crossover Defined by the Precious Metal. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 6541-6549	5.1	6
460	Mixed Ligand Shell Formation upon Catechol Ligand Adsorption on Hydrophobic TiO Nanoparticles. <i>Langmuir</i> , <b>2019</b> , 35, 12518-12531	4	10
459	Surface Chemistry Directs the Tunable Assembly of TiO <sub>2</sub> Anatase Nanocubes into Three-Dimensional Mesocrystals. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 3165-3170	2.3	0
458	Self-Organized Arrays of SnO <sub>2</sub> Microplates with Photocatalytic and Antimicrobial Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 3171-3179	2.3	4
457	Removal of Surface Oxygen Vacancies Increases Conductance Through TiO Thin Films for Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 13458-13466	3.8	37
456	Antioxidant activity of cerium dioxide nanoparticles and nanorods in scavenging hydroxyl radicals.. <i>RSC Advances</i> , <b>2019</b> , 9, 11077-11081	3.7	26
455	Zinc overload mediated by zinc oxide nanoparticles as innovative anti-tumor agent. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 51, 226-234	4.1	25
454	Pyridazine-Supported Polymeric Cyanometallates with Spin Transitions. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 4532-4537	2.3	9
453	Fluorescein- and EGFR-Antibody Conjugated Silica Nanoparticles for Enhancement of Real-time Tumor Border Definition Using Confocal Laser Endomicroscopy in Squamous Cell Carcinoma of the Head and Neck. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8

452	Effect of anion substitution on the structural and transport properties of argyrodites CuPSeS. <i>Dalton Transactions</i> , <b>2019</b> , 48, 15822-15829	4.3	15
451	Thermoelectrics: From history, a window to the future. <i>Materials Science and Engineering Reports</i> , <b>2019</b> , 138, 100501	30.9	190
450	Two-Step Nucleation Process of Calcium Silicate Hydrate, the Nanobrick of Cement. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 2895-2904	9.6	39
449	A Step into the Future: Applications of Nanoparticle Enzyme Mimics. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9703-9713	4.8	53
448	Spark Plasma Sintering (SPS)-Assisted Synthesis and Thermoelectric Characterization of Magn $\beta$ Phase VO. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1259-1268	5.1	6
447	Monitoring Thiol-Ligand Exchange on Au Nanoparticle Surfaces. <i>Langmuir</i> , <b>2018</b> , 34, 1700-1710	4	21
446	Optimizing the Binding Energy of the Surfactant to Iron Oxide Yields Truly Monodisperse Nanoparticles. <i>Langmuir</i> , <b>2018</b> , 34, 6582-6590	4	19
445	Al NMR Study of the pH Dependent Hydrolysis Products of Al(SO $_4$ ) $_3$ in Different Physiological Media. <i>Molecules</i> , <b>2018</b> , 23,	4.8	3
444	Frontispiece: A Step into the Future: Applications of Nanoparticle Enzyme Mimics. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24,	4.8	1
443	Mechanochemical Access to Defect-Stabilized Amorphous Calcium Carbonate. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6040-6052	9.6	11
442	Hydrogen Bonding in Amorphous Alkaline Earth Carbonates. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 11289-11298	5.1	8
441	Iron Oxide Superparticles with Enhanced MRI Performance by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4277-4288	9.6	9
440	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11988-12010	4.3	66
439	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707073	24	39
438	From Single Molecules to Nanostructured Functional Materials: Formation of a Magnetic Foam Catalyzed by [email protected]xO Heterodimers. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1050-1057	5.6	3
437	The surface chemistry of iron oxide nanocrystals: surface reduction of Fe $_2$ O $_3$ to Fe $_3$ O $_4$ by redox-active catechol surface ligands. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 326-333	7.1	14
436	Towards higher zT in early transition metal oxides: optimizing the charge carrier concentration of the WO $_3$ -x compounds. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 10240-10248	1.4	2
435	Robustness of elastic properties in polymer nanocomposite films examined over the full volume fraction range. <i>Scientific Reports</i> , <b>2018</b> , 8, 16986	4.9	13

434	Hydrothermal growth mechanism of SnO <sub>2</sub> nanorods in aqueous HCl. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2018</b> , 73, 865-871	1	1
433	Nanozymes in Nanofibrous Mats with Haloperoxidase-like Activity To Combat Biofouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44722-44730	9.5	21
432	Controlling the Morphology of Au-Pd Heterodimer Nanoparticles by Surface Ligands. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13640-13652	5.1	7
431	TiO Nanoparticles Functionalized with Non-innocent Ligands Allow Oxidative Photocyanation of Amines with Visible/Near-Infrared Photons. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14169-14177	16.4	46
430	Trapping Amorphous Intermediates of Carbonates - A Combined Total Scattering and NMR Study. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14638-14646	16.4	16
429	Bio-nano: Theranostic at Cellular Level. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2018</b> , 85-170.	5	1
428	Solvothermal Synthesis of Molybdenum/Tungsten Oxides and Their Application for Photoelectrochemical Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12641-12649	8.3	9
427	Particles of vaterite, a metastable CaCO <sub>3</sub> polymorph, exhibit high biocompatibility for human osteoblasts and endothelial cells and may serve as a biomaterial for rapid bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1754-1768	4.4	9
426	Calcium Sulfate Nanoparticles with Unusual Dispersibility in Organic Solvents for Transparent Film Processing. <i>Langmuir</i> , <b>2018</b> , 34, 7096-7105	4	6
425	Water-Controlled Crystallization of CaCO <sub>3</sub> , SrCO <sub>3</sub> , and MnCO <sub>3</sub> from Amorphous Precursors. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 4662-4670	3.5	13
424	CeO nanorods with intrinsic urease-like activity. <i>Nanoscale</i> , <b>2018</b> , 10, 13074-13082	7.7	36
423	Joining Two Natural Motifs: Catechol-Containing Poly(phosphoester)s. <i>Biomacromolecules</i> , <b>2017</b> , 18, 767-777	6.9	20
422	Glycine-functionalized copper(ii) hydroxide nanoparticles with high intrinsic superoxide dismutase activity. <i>Nanoscale</i> , <b>2017</b> , 9, 3952-3960	7.7	45
421	Surface Defects as a Tool to Solubilize and Functionalize WS <sub>2</sub> Nanotubes. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 2190-2194	2.3	6
420	High Electron Mobility and Disorder Induced by Silver Ion Migration Lead to Good Thermoelectric Performance in the Argyrodite Ag <sub>8</sub> SiSe <sub>6</sub> . <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4833-4839	9.6	43
419	Thermal stability and enhanced thermoelectric properties of the tetragonal tungsten bronzes Nb <sub>8</sub> W <sub>9</sub> xO <sub>47</sub> (0). <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9768-9774	13	14
418	Spin-State-Dependent Redox-Catalytic Activity of a Switchable Iron(II) Complex. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 3125-3131	2.3	4
417	Haloperoxidase Mimicry by CeO Nanorods Combats Biofouling. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603823	24	130

416	Liquid crystalline phases from polymer functionalized ferri-magnetic Fe <sub>3</sub> O <sub>4</sub> nanorods. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6688-6696	7.1	14
415	Local Bonding Influence on the Band Edge and Band Gap Formation in Quaternary Chalcopyrites. <i>Advanced Science</i> , <b>2017</b> , 4, 1700080	13.6	24
414	Cerdioxid schützt vor marinem Fouling. <i>Chemie in Unserer Zeit</i> , <b>2017</b> , 51, 278-281	0.2	
413	Dendritic Mesoporous Silica Nanoparticles for pH-Stimuli-Responsive Drug Delivery of TNF-Alpha. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700012	10.1	32
412	Direction-dependent elastic properties and phononic behavior of PMMA/BaTiO nanocomposite thin films. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 203325	3.9	6
411	Benzyl Alcohol Assisted Synthesis and Characterization of Highly Reduced Graphene Oxide (HRG)@ZrO <sub>2</sub> Nanocomposites. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3078-3083	1.8	6
410	Design, characterization and evaluation of hydroxyethylcellulose based novel regenerable superabsorbent for heavy metal ions uptake and competitive adsorption. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 170-180	7.9	29
409	Blue light mediated C-H arylation of heteroarenes using TiO <sub>2</sub> as an immobilized photocatalyst in a continuous-flow microreactor. <i>Green Chemistry</i> , <b>2017</b> , 19, 1911-1918	10	49
408	Snapshots of calcium carbonate formation in a step by step analysis. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2017</b> , 232,	1	13
407	Synthesis and Comparative Catalytic Study of Zirconia-MnCO or -MnO for the Oxidation of Benzylic Alcohols. <i>ChemistryOpen</i> , <b>2017</b> , 6, 112-120	2.3	9
406	[email protected]2O <sub>3</sub> Superparticles with Enhanced Peroxidase Activity by Solution Phase Epitaxial Growth. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1134-1146	9.6	49
405	Combined Experimental and Theoretical Investigation of Heating Rate on Growth of Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9648-9656	9.6	26
404	Effect of precursor concentration on size evolution of iron oxide nanoparticles. <i>CrystEngComm</i> , <b>2017</b> , 19, 6694-6702	3.3	47
403	Elastic Modulus and Thermal Conductivity of Thiolene/TiO Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 25568-25575	3.8	10
402	Fibrous Nanozyme Dressings with Catalase-Like Activity for HO Reduction To Promote Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38024-38031	9.5	63
401	Magnetism of monomer MnO and heterodimer FePt@MnO nanoparticles. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	4
400	Block copolymers from ionic liquids for the preparation of thin carbonaceous shells. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 1693-1701	2.5	2
399	A highly reduced graphene oxide/ZrO <sub>x</sub> MnCO <sub>3</sub> or Mn <sub>2</sub> O <sub>3</sub> nanocomposite as an efficient catalyst for selective aerial oxidation of benzylic alcohols. <i>RSC Advances</i> , <b>2017</b> , 7, 55336-55349	3.7	23

398	Divalent metal phosphonates ¶ new aspects for syntheses, in situ characterization and structure solution. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2017</b> , 232,	1	5
397	Fabrication, characterization, thermal stability and nanoassemblies of novel pullulan-aspirin conjugates. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S1597-S1603	5.9	17
396	Plant Extract Mediated Eco-Friendly Synthesis of Pd@Graphene Nanocatalyst: An Efficient and Reusable Catalyst for the Suzuki-Miyaura Coupling. <i>Catalysts</i> , <b>2017</b> , 7, 20	4	18
395	High temperature spin crossover in [Fe(pyrazine){Ag(CN)2}2] and its solvate. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 9012-9016	3.6	21
394	Intrinsic superoxide dismutase activity of MnO nanoparticles enhances the magnetic resonance imaging contrast. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 7423-7428	7.3	54
393	Solids Go Bio: Inorganic Nanoparticles as Enzyme Mimics. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 1906-1915	2.3	132
392	Cooperative High-Temperature Spin Crossover Accompanied by a Highly Anisotropic Structural Distortion. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 3191-3195	2.3	39
391	Facile hybridization of Ni@Fe2O3 superparticles with functionalized reduced graphene oxide and its application as anode material in lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 155-63	9.3	14
390	Role of Water During Crystallization of Amorphous Cobalt Phosphate Nanoparticles. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 4232-4239	3.5	8
389	Hierarchical Ni@Fe2O3 superparticles through epitaxial growth of ¶Fe2O3 nanorods on in situ formed Ni nanoplates. <i>Nanoscale</i> , <b>2016</b> , 8, 9548-55	7.7	18
388	Ferroelastic Fingerprints in Methylammonium Lead Iodide Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5724-5731	3.8	118
387	Facile one-pot synthesis of polytypic (wurtzite¶chalcopyrite) CuGaS2. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	6
386	Humidity-Induced Grain Boundaries in MAPbI3 Perovskite Films. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 6363-6368	3.8	83
385	Green synthesis of Pd@graphene nanocomposite: Catalyst for the selective oxidation of alcohols. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, 835-845	5.9	41
384	Synthesis and characterization of carbon coated sponge-like tin oxide (SnOx) films and their application as electrode materials in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 612-619	13	31
383	Extended release and enhanced bioavailability of moxifloxacin conjugated with hydrophilic cellulose ethers. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 1297-306	10.3	19
382	Hydrate Networks under Mechanical Stress ¶ A Case Study for Co3(PO4)2¶3H2O. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2072-2081	2.3	9
381	Extraordinary Performance of Carbon-Coated Anatase TiO as Sodium-Ion Anode. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501489	21.8	174

- 380 Poly(THF-co-cyano ethylene oxide): Cyano Ethylene Oxide (CEO) Copolymerization with THF Leading to Multifunctional and Water-Soluble PolyTHF Polyelectrolytes. *Macromolecules*, **2016**, 49, 3681-3695 3
- 379 A chemists view: Metal oxides with adaptive structures for thermoelectric applications. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 808-823 1.6 38
- 378 Morphology control in biphasic hybrid systems of semiconducting materials. *Macromolecular Rapid Communications*, **2015**, 36, 959-83 4.8 27
- 377 Well-defined carbohydrate-based polymers in calcium carbonate crystallization: Influence of stereochemistry in the polymer side chain on polymorphism and morphology. *European Polymer Journal*, **2015**, 69, 628-635 5.2 7
- 376 Ultrastrong composites from dopamine modified-polymer-infiltrated colloidal crystals. *Materials Horizons*, **2015**, 2, 434-441 14.4 6
- 375 One-pot thermolysis synthesis of CuInS<sub>2</sub> nanoparticles with chalcopyrite-wurtzite polytypism structure. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 8960-8972 2.1 8
- 374 A plasma protein corona enhances the biocompatibility of Au@Fe<sub>3</sub>O<sub>4</sub> Janus particles. *Biomaterials*, **2015**, 68, 77-88 15.6 62
- 373 Tetragonal tungsten bronzes Nb<sub>8</sub>W<sub>9+x</sub>O<sub>47</sub> optimization strategies and transport properties of a new n-type thermoelectric oxide. *Materials Horizons*, **2015**, 2, 519-527 14.4 13
- 372 Pulicaria glutinosa extract: a toolbox to synthesize highly reduced graphene oxide-silver nanocomposites. *International Journal of Molecular Sciences*, **2015**, 16, 1131-42 6.3 46
- 371 Succinate-bonded pullulan: An efficient and reusable super-sorbent for cadmium-uptake from spiked high-hardness groundwater. *Journal of Environmental Sciences*, **2015**, 37, 51-8 6.4 9
- 370 Green Approach for the Effective Reduction of Graphene Oxide Using *Salvadora persica* L. Root (Miswak) Extract. *Nanoscale Research Letters*, **2015**, 10, 987 5 105
- 369 Genotoxic effects of zinc oxide nanoparticles. *Nanoscale*, **2015**, 7, 8931-8 7.7 72
- 368 Novel high-loaded, nanoparticulate and thermally stable macromolecular prodrug design of NSAIDs based on hydroxypropylcellulose. *Cellulose*, **2015**, 22, 461-471 5.5 16
- 367 Cellulose ether derivatives: a new platform for prodrug formation of fluoroquinolone antibiotics. *Cellulose*, **2015**, 22, 2011-2022 5.5 27
- 366 New Techniques to Assess In Vitro Release of siRNA from Nanoscale Polyplexes. *Pharmaceutical Research*, **2015**, 32, 1957-74 4.5 16
- 365 Phoxonic Hybrid Superlattice. *ACS Applied Materials & Interfaces*, **2015**, 7, 12488-95 9.5 13
- 364 Influence of Compensating Defect Formation on the Doping Efficiency and Thermoelectric Properties of Cu<sub>2-y</sub>Se<sub>1-x</sub>Br<sub>x</sub>. *Chemistry of Materials*, **2015**, 27, 7018-7027 9.6 49
- 363 Transformation of vaterite nanoparticles to hydroxycarbonate apatite in a hydrogel scaffold: relevance to bone formation. *Journal of Materials Chemistry B*, **2015**, 3, 7079-7089 7.3 20



362	High-performance TiO <sub>2</sub> nanoparticle/DOPA-polymer composites. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1129-37	4.8	12
361	On the True Indium Content of In-Filled Skutterudites. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 7818-27	5.1	32
360	Structural and optical properties of Fe and Zn substituted CuInS <sub>2</sub> nanoparticles synthesized by a one-pot facile method. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 889-898	7.1	13
359	Siliceous spicules enhance fracture-resistance and stiffness of pre-colonial Amazonian ceramics. <i>Scientific Reports</i> , <b>2015</b> , 5, 13303	4.9	14
358	Synthesis of Mesoporous Supraparticles on Superamphiphobic Surfaces. <i>Advanced Materials</i> , <b>2015</b> , 27, 7338-43	24	70
357	Anhydrous Amorphous Calcium Oxalate Nanoparticles from Ionic Liquids: Stable Crystallization Intermediates in the Formation of Whewellite. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18192-201	4.8	10
356	Comparative evaluation of the impact on endothelial cells induced by different nanoparticle structures and functionalization. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 300-12	3	29
355	Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 52	5	16
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12	Thiolat-Chemie der Eisengruppenelemente: Synthese und Struktur der Komplexe [Co <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> und [Ni <sub>3</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>4</sub> ?. <i>Angewandte Chemie</i> , <b>1984</b> , 96, 604-605	3.6	9
11	[Co <sub>3</sub> {β-S}{o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> Der erste dreikernige Cobalt-Cluster mit tetraedrischer CoS <sub>4</sub> -Koordination. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 307-322		
10	[Co <sub>3</sub> {β-S}{o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> The First Trinuclear Cobalt Cluster with Tetrahedral CoS <sub>4</sub> -Coordination. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 318-319		13
9	[Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>2</sub> {SC <sub>6</sub> H <sub>5</sub> }] <sub>2</sub> and [Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> Binuclear Thiolatoiron(II) Anions with Tetrahedral FeS <sub>4</sub> -Coordination. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 319-320		10
8	[Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>2</sub> {SC <sub>6</sub> H <sub>5</sub> }] <sub>2</sub> und [Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> Zweikernige Thiolatoeisen (II) -Anionen mit tetraedrischer FeS <sub>4</sub> -Koordination. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 323-346		1
7	Synthesis and structure of [Ni <sub>3</sub> {β-S}{o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> a new type of trinuclear nickel sulfide thiolate cluster. <i>Inorganica Chimica Acta</i> , <b>1983</b> , 80, L31-L32	2.7	19
6	[Fe <sub>3</sub> (S <sub>2</sub> C <sub>10</sub> H <sub>12</sub> ) <sub>3</sub> ] <sub>2</sub> :- Die erste synthetische dreikernige Eisen-Schwefel-Clusterverbindung. <i>Angewandte Chemie</i> , <b>1981</b> , 93, 1072-1073	3.6	14
5	[Fe <sub>3</sub> (S <sub>2</sub> C <sub>10</sub> H <sub>12</sub> ) <sub>3</sub> ] <sub>2</sub> The First Synthetic Trinuclear Iron-Sulfur Cluster Compound. <i>Angewandte Chemie International Edition in English</i> , <b>1981</b> , 20, 1033-1034		18
4	Effects of 30-GeV-proton irradiation on the critical currents of NbTi multifilament wire. <i>Applied Physics Letters</i> , <b>1977</b> , 31, 130-132	3.4	9
3	Formation of Siliceous Spicules in Demosponges: Example Suberites domuncula		59-82 23

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