

# Tatjana N Parac Vogt

## List of Publications by Year in descending order

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219  
papers

8,083  
citations

50170

46  
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69108

77  
g-index

240  
all docs

240  
docs citations

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times ranked

6388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding the Scope of Polyoxometalates as Artificial Proteases towards Hydrolysis of Insoluble Proteins. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	13
2	Which factors govern the adsorption of peptides to Zr(IV)-based metal-organic frameworks?. <i>Materials Advances</i> , 2022, 3, 2475-2487.	2.6	7
3	Versatile post-functionalisation strategy for the formation of modular organic-inorganic polyoxometalate hybrids. <i>Chemical Science</i> , 2022, 13, 2891-2899.	3.7	7
4	Hierarchical Self-Assembly of a Supramolecular Protein-Metal Cage Encapsulating a Polyoxometalate Guest. <i>Crystal Growth and Design</i> , 2022, 22, 1515-1520.	1.4	2
5	Zirconium oxo clusters as discrete molecular catalysts for the direct amide bond formation. <i>Catalysis Science and Technology</i> , 2022, 12, 3190-3201.	2.1	11
6	Synergistic Effect of Sorption and Hydrolysis by NU-1000 Nanostructures for Removal and Detoxification of Chlorpyrifos. <i>ACS Applied Nano Materials</i> , 2022, 5, 3312-3324.	2.4	7
7	A zirconium metal-organic framework with SOC topological net for catalytic peptide bond hydrolysis. <i>Nature Communications</i> , 2022, 13, 1284.	5.8	32
8	Understanding the Role of Surfactants in the Interaction and Hydrolysis of Myoglobin by Zr-MOF-808. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	4
9	Front Cover: Understanding the Role of Surfactants in the Interaction and Hydrolysis of Myoglobin by Zr-MOF-808 ( <i>Eur. J. Inorg. Chem.</i> 20/2022). <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	0
10	Inorganic Radiolabeled Nanomaterials in Cancer Therapy: A Review. <i>ACS Applied Nano Materials</i> , 2022, 5, 8680-8709.	2.4	11
11	Ultrasmall iron oxide nanoparticles functionalized with BODIPY derivatives as potential bimodal probes for MRI and optical imaging. <i>Nano Select</i> , 2021, 2, 406-416.	1.9	3
12	Homogeneous Metal Catalysts with Inorganic Ligands: Probing Ligand Effects in Lewis Acid Catalyzed Direct Amide Bond Formation. <i>ACS Catalysis</i> , 2021, 11, 271-277.	5.5	19
13	Visualization and characterization of metallo-aggregates using multi-photon microscopy. <i>RSC Advances</i> , 2021, 11, 657-661.	1.7	0
14	Expanding the reactivity of inorganic clusters towards proteins: the interplay between the redox and hydrolytic activity of Ce(IV)-substituted polyoxometalates as artificial proteases. <i>Chemical Science</i> , 2021, 12, 10655-10663.	3.7	11
15	The Dawn of Metal-Oxo Clusters as Artificial Proteases: From Discovery to the Present and Beyond. <i>Accounts of Chemical Research</i> , 2021, 54, 1673-1684.	7.6	48
16	Broadening the Scope of Polyoxometalates as Artificial Proteases in Surfactant Solutions: Hydrolysis of Ovalbumin by Zr(IV)-Substituted Keggin Complex. <i>Inorganics</i> , 2021, 9, 22.	1.2	7
17	Solution Dynamics of Hybrid Anderson-Evans Polyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 10215-10226.	1.9	14
18	Bimetallic Ce/Zr UiO-66 Metal-Organic Framework Nanostructures as Peptidase and Oxidase Nanozymes. <i>ACS Applied Nano Materials</i> , 2021, 4, 5748-5757.	2.4	25

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19	Crystal structures of Scone: pseudosymmetric folding of a symmetric designer protein. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 933-942.	1.1	2
20	En Route to a Heterogeneous Catalytic Direct Peptide Bond Formation by Zr-Based Metal-Organic Framework Catalysts. <i>ACS Catalysis</i> , 2021, 11, 7647-7658.	5.5	31
21	The forgotten chemistry of group(IV) metals: A survey on the synthesis, structure, and properties of discrete Zr(IV), Hf(IV), and Ti(IV) oxo clusters. <i>Coordination Chemistry Reviews</i> , 2021, 438, 213886.	9.5	40
22	Hybrid catalyst with combined Lewis and Brønsted acidity based on ZrIV substituted polyoxometalate grafted on mesoporous MCM-41 silica for esterification of renewable levulinic acid. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111203.	2.2	17
23	Monodispersed MOF-808 Nanocrystals Synthesized via a Scalable Room-Temperature Approach for Efficient Heterogeneous Peptide Bond Hydrolysis. <i>Chemistry of Materials</i> , 2021, 33, 7057-7066.	3.2	51
24	Heterogeneous nanozymatic activity of Hf oxo-clusters embedded in a metal-organic framework towards peptide bond hydrolysis. <i>Nanoscale</i> , 2021, 13, 12298-12305.	2.8	8
25	Shape and Size Complementarity-Induced Formation of Supramolecular Protein Assemblies with Metal-Oxo Clusters. <i>Crystal Growth and Design</i> , 2021, 21, 1307-1313.	1.4	15
26	Kinetic and Interaction Studies of Adenosine-5'-Triphosphate (ATP) Hydrolysis with Polyoxovanadates. <i>Metals</i> , 2021, 11, 1678.	1.0	3
27	Enhancing the Catalytic Activity of MOF-808 Towards Peptide Bond Hydrolysis through Synthetic Modulations. <i>Chemistry - A European Journal</i> , 2021, 27, 17230-17239.	1.7	16
28	Modeling of Nanomolecular and Reticular Architectures with 6-fold Grooved, Programmable Interlocking Disks. <i>Journal of Chemical Education</i> , 2020, 97, 289-294.	1.1	6
29	Hybrid polyoxometalates as post-functionalization platforms: from fundamentals to emerging applications. <i>Chemical Society Reviews</i> , 2020, 49, 382-432.	18.7	279
30	Mechanism of the highly effective peptide bond hydrolysis by MOF-808 catalyst under biologically relevant conditions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25136-25145.	1.3	22
31	Selective Hydrolysis of Terminal Glycosidic Bond in $\alpha$ -Acid Glycoprotein Promoted by Keggin and Wells Dawson Type Heteropolyacids. <i>Chemistry - A European Journal</i> , 2020, 26, 16463-16471.	1.7	4
32	Selective Hydrolysis of Transferrin Promoted by Zr-Substituted Polyoxometalates. <i>Molecules</i> , 2020, 25, 3472.	1.7	15
33	Nanozymatic Activity of UiO-66 Metal-Organic Frameworks: Tuning the Nanopore Environment Enhances Hydrolytic Activity toward Peptide Bonds. <i>ACS Applied Nano Materials</i> , 2020, 3, 8931-8938.	2.4	42
34	Hybrid assemblies of a symmetric designer protein and polyoxometalates with matching symmetry. <i>Chemical Communications</i> , 2020, 56, 11601-11604.	2.2	20
35	Metal-Addenda Substitution in Plenary Polyoxometalates and in Their Modular Transition Metal Analogues. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2559-2572.	1.0	11
36	Redox Activity of Ce(IV)-Substituted Polyoxometalates toward Amino Acids and Peptides. <i>Inorganic Chemistry</i> , 2020, 59, 10569-10577.	1.9	19

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37	A new acetylcholinesterase allosteric site responsible for binding voluminous negatively charged molecules – the role in the mechanism of AChE inhibition. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 151, 105376.	1.9	20
38	Hydrolysis of Peptide Bonds in Protein Micelles Promoted by a Zirconium(IV)-Substituted Polyoxometalate as an Artificial Protease. <i>Chemistry - A European Journal</i> , 2020, 26, 11170-11179.	1.7	13
39	Discrete Hf <sub>18</sub> Metal-oxo Cluster as a Heterogeneous Nanozyme for Site-Specific Proteolysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9094-9101.	7.2	31
40	Discrete Hf <sub>18</sub> Metal-oxo Cluster as a Heterogeneous Nanozyme for Site-Specific Proteolysis. <i>Angewandte Chemie</i> , 2020, 132, 9179-9186.	1.6	7
41	A Bis-organosilyl-Functionalized Wells-Dawson Polyoxometalate as a Platform for Facile Amine Postfunctionalization. <i>Inorganic Chemistry</i> , 2020, 59, 10146-10152.	1.9	5
42	Exploring polyoxometalates as non-destructive staining agents for contrast-enhanced microfocus computed tomography of biological tissues. <i>Acta Biomaterialia</i> , 2020, 105, 253-262.	4.1	25
43	Interplay between structural parameters and reactivity of Zr <sub>6</sub> -based MOFs as artificial proteases. <i>Chemical Science</i> , 2020, 11, 6662-6669.	3.7	38
44	Recent Advances in Lanthanide Based Nano-Architectures as Probes for Ultra High-Field Magnetic Resonance Imaging. <i>Current Medicinal Chemistry</i> , 2020, 27, 352-361.	1.2	11
45	Hydrolysis of transferrin promoted by a cerium(IV)-Keggin polyoxometalate. <i>Polyhedron</i> , 2019, 170, 570-575.	1.0	13
46	High-Field MRI Contrast Agents and their Synergy with Optical Imaging: the Evolution from Single Molecule Probes towards Nano-Architectures. <i>Chemistry - A European Journal</i> , 2019, 25, 13838-13847.	1.7	11
47	High-resolution contrast-enhanced microCT reveals the true three-dimensional morphology of the murine placenta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13927-13936.	3.3	47
48	Water-Tolerant and Atom Economical Amide Bond Formation by Metal-Substituted Polyoxometalate Catalysts. <i>ACS Catalysis</i> , 2019, 9, 10245-10252.	5.5	49
49	Chemical Mimics of Aspartate-Directed Proteases: Predictive and Strictly Specific Hydrolysis of a Globular Protein at Asp <sup>XX</sup> Sequence Promoted by Polyoxometalate Complexes Rationalized by a Combined Experimental and Theoretical Approach. <i>Chemistry - A European Journal</i> , 2019, 25, 14370-14381.	1.7	24
50	Editorial: Advances in the Development of Artificial Metalloenzymes. <i>Frontiers in Chemistry</i> , 2019, 7, 599.	1.8	2
51	Ovariectomy increases RANKL protein expression in bone marrow adipocytes of C3H/HeJ mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E1050-E1054.	1.8	21
52	Editorial: Polyoxometalates in Catalysis, Biology, Energy and Materials Science. <i>Frontiers in Chemistry</i> , 2019, 7, 646.	1.8	20
53	Programmable Interlocking Disks: Bottom-Up Modular Assembly of Chemically Relevant Polyhedral and Reticular Structural Models. <i>Journal of Chemical Education</i> , 2019, 96, 601-605.	1.1	9
54	Frontispiece: High-Field MRI Contrast Agents and their Synergy with Optical Imaging: the Evolution from Single Molecule Probes towards Nano-Architectures. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0

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55	The effect of PPAR $\beta$ inhibition on bone marrow adipose tissue and bone in C3H/HeJ mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E96-E105.	1.8	15
56	Amphiphilic Nanoaggregates with Bimodal MRI and Optical Properties Exhibiting Magnetic Field Dependent Switching from Positive to Negative Contrast Enhancement. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5752-5761.	4.0	4
57	Noncovalent Complexes Formed between Metal-Substituted Polyoxometalates and Hen Egg White Lysozyme. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 506-511.	1.0	18
58	Interactions between polyoxometalates and biological systems: from drug design to artificial enzymes. <i>Current Opinion in Biotechnology</i> , 2019, 58, 92-99.	3.3	58
59	Hydrolysis of chemically distinct sites of human serum albumin by polyoxometalate: A hybrid QM/MM (ONIOM) study. <i>Journal of Computational Chemistry</i> , 2019, 40, 51-61.	1.5	17
60	Superactivity of MOF-808 toward Peptide Bond Hydrolysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 6325-6335.	6.6	120
61	A Magnetic Chameleon: Biocompatible Lanthanide Fluoride Nanoparticles with Magnetic Field Dependent Tunable Contrast Properties as a Versatile Contrast Agent for Low to Ultrahigh Field MRI and Optical Imaging in Biological Window. <i>Chemistry - A European Journal</i> , 2018, 24, 7388-7397.	1.7	23
62	Simultaneous three-dimensional visualization of mineralized and soft skeletal tissues by a novel microCT contrast agent with polyoxometalate structure. <i>Biomaterials</i> , 2018, 159, 1-12.	5.7	70
63	Effect of [Zr( $\pm$ -PW11O39) $_2$ ] $_{10}$ Polyoxometalate on the Self-Assembly of Surfactant Molecules in Water Studied by Fluorescence and DOSY NMR Spectroscopy. <i>Inorganics</i> , 2018, 6, 112.	1.2	7
64	Drawing on biology to inspire molecular design: a redox-responsive MRI probe based on Gd(III)-nicotinamide. <i>Chemical Communications</i> , 2018, 54, 12986-12989.	2.2	8
65	Direct observation of the Zr(IV) interaction with the carboxamide bond in a noncovalent complex between Hen Egg White Lysozyme and a Zr-substituted Keggin polyoxometalate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1348-1354.	0.2	17
66	Selective Hydrolysis of Ovalbumin Promoted by Hf(IV)-Substituted Wells-Dawson-Type Polyoxometalate. <i>Frontiers in Chemistry</i> , 2018, 6, 614.	1.8	19
67	Selectivity and Reactivity of Zr(IV) and Ce(IV) Substituted Keggin Type Polyoxometalates Toward Cytochrome c in Surfactant Solutions. <i>Frontiers in Chemistry</i> , 2018, 6, 372.	1.8	24
68	Protein-Assisted Formation and Stabilization of Catalytically Active Polyoxometalate Species. <i>Chemistry - A European Journal</i> , 2018, 24, 10099-10108.	1.7	45
69	Investigating Polyoxometalate-Protein Interactions at Chemically Distinct Binding Sites. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7219-7232.	1.2	27
70	Keggin Structure, Qu $\ddot{a}$ dis?. <i>Frontiers in Chemistry</i> , 2018, 6, 346.	1.8	49
71	A Magnetic Chameleon: Biocompatible Lanthanide Fluoride Nanoparticles with Magnetic Field Dependent Tunable Contrast Properties as a Versatile Contrast Agent for Low to Ultrahigh Field MRI and Optical Imaging in Biological Window. <i>Chemistry - A European Journal</i> , 2018, 24, 7277-7277.	1.7	3
72	Amphiphilic complexes of Ho(III), Dy(III), Tb(III) and Eu(III) for optical and high field magnetic resonance imaging. <i>Dalton Transactions</i> , 2018, 47, 10646-10653.	1.6	10

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73	Na/K-ATPase as a target for anticancer metal based drugs: insights into molecular interactions with selected gold( $\text{Au}^{\text{III}}$ ) complexes. <i>Metallomics</i> , 2017, 9, 292-300.	1.0	13
74	A Simple Nucleophilic Substitution as a Versatile Postfunctionalization Method for the Coupling of Nucleophiles to an Anderson-Type Polyoxometalate. <i>Inorganic Chemistry</i> , 2017, 56, 3095-3101.	1.9	19
75	Highly Selective and Tunable Protein Hydrolysis by a Polyoxometalate Complex in Surfactant Solutions: A Step toward the Development of Artificial Metalloproteases for Membrane Proteins. <i>ACS Omega</i> , 2017, 2, 2026-2033.	1.6	23
76	Polyoxometalates as artificial nucleases: hydrolytic cleavage of DNA promoted by a highly negatively charged Zr <sup>IV</sup> -substituted Keggin polyanion. <i>Chemical Communications</i> , 2017, 53, 617-620.	2.2	34
77	Polyoxometalates as sialidase mimics: selective and non-destructive removal of sialic acid from a glycoprotein promoted by phosphotungstic acid. <i>Chemical Communications</i> , 2017, 53, 10600-10603.	2.2	12
78	Spectroscopic Study of the Interaction between Horse Heart Myoglobin and Zirconium(IV)-Substituted Polyoxometalates as Artificial Proteases. <i>ChemPhysChem</i> , 2017, 18, 2451-2458.	1.0	34
79	A mild post-functionalization method for the vanadium substituted $\text{P}_2\text{W}_{15}\text{V}_3$ Wells-Dawson polyoxometalate based on a copper catalyzed azide-alkyne cycloaddition. <i>Dalton Transactions</i> , 2017, 46, 10215-10219.	1.6	16
80	The Development of Multimodal Nanoparticles for an Early Detection of Tumors. , 2017, .		0
81	Investigating the binding mechanism of polyoxometalates towards proteins. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C732-C732.	0.0	0
82	Kinetic studies of phosphoester hydrolysis promoted by a dimeric tetrazirconium( $\text{Zr}^{\text{IV}}$ ) Wells-Dawson polyoxometalate. <i>Dalton Transactions</i> , 2016, 45, 12174-12180.	1.6	20
83	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Europium(III) DOTA as a Bimodal Imaging Probe. <i>Chemistry - A European Journal</i> , 2016, 22, 4521-4527.	1.7	17
84	Interaction Study and Reactivity of Zr <sup>IV</sup> -Substituted Wells-Dawson Polyoxometalate towards Hydrolysis of Peptide Bonds in Surfactant Solutions. <i>Chemistry - A European Journal</i> , 2016, 22, 3775-3784.	1.7	30
85	Detailed Mechanism of Phosphoanhydride Bond Hydrolysis Promoted by a Binuclear Zr <sup>IV</sup> -Substituted Keggin Polyoxometalate Elucidated by a Combination of $^{31}\text{P}$ DOSY, and $^{31}\text{P}$ EXSY NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2016, 55, 4864-4873.	1.9	24
86	Tuning the Selectivity and Reactivity of Metal-Substituted Polyoxometalates as Artificial Proteases by Varying the Nature of the Embedded Lewis Acid Metal Ion. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5098-5105.	1.0	39
87	Phosphate Ester Bond Hydrolysis Promoted by Lanthanide-Substituted Keggin-type Polyoxometalates Studied by a Combined Experimental and Density Functional Theory Approach. <i>Inorganic Chemistry</i> , 2016, 55, 9898-9911.	1.9	23
88	Molecular Insight from DFT Computations and Kinetic Measurements into the Steric Factors Influencing Peptide Bond Hydrolysis Catalyzed by a Dimeric Zr(IV)-Substituted Keggin Type Polyoxometalate. <i>Inorganic Chemistry</i> , 2016, 55, 9316-9328.	1.9	30
89	Gallium(III)-Containing, Sandwich-Type Heteropolytungstates: Synthesis, Solution Characterization, and Hydrolytic Studies toward Phosphoester and Phosphoanhydride Bond Cleavage. <i>Inorganic Chemistry</i> , 2016, 55, 9204-9211.	1.9	21
90	Probing Polyoxometalate-Protein Interactions Using Molecular Dynamics Simulations. <i>Chemistry - A European Journal</i> , 2016, 22, 15280-15289.	1.7	50

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91	Probing Polyoxometalate-Protein Interactions Using Molecular Dynamics Simulations. Chemistry - A European Journal, 2016, 22, 15157-15157.	1.7	1
92	Following the stability of amphiphilic nanoaggregates by using intermolecular energy transfer. Chemical Communications, 2016, 52, 13385-13388.	2.2	3
93	Multifunctional $\text{NaGdF}_4\text{:Ln}^{3+}$ (Ln = Yb, Er, Dy) nanoparticles with NIR to visible upconversion and high transverse relaxivity: a potential bimodal contrast agent for high-field MRI and optical imaging. RSC Advances, 2016, 6, 61443-61448.	1.7	20
94	Magnetofluorescent micelles incorporating $\text{Dy}^{III}$ -DOTA as potential bimodal agents for optical and high field magnetic resonance imaging. Dalton Transactions, 2016, 45, 4791-4801.	1.6	14
95	Influence of the amino acid side chain on peptide bond hydrolysis catalyzed by a dimeric Zr(IV)-substituted Keggin type polyoxometalate. New Journal of Chemistry, 2016, 40, 976-984.	1.4	19
96	$\text{Ln}_{12}$ -Containing Tungstogermanates: Synthesis, Structure, Luminescence, and Magnetic Studies. Chemistry - A European Journal, 2015, 21, 18168-18176.	1.7	46
97	Highly Amino Acid Selective Hydrolysis of Myoglobin at Aspartate Residues as Promoted by Zirconium(IV)-Substituted Polyoxometalates. Angewandte Chemie - International Edition, 2015, 54, 7391-7394.	7.2	94
98	Structural Characterization of the Complex between Hen Egg White Lysozyme and Zr(IV)-Substituted Keggin Polyoxometalate as Artificial Protease. Chemistry - A European Journal, 2015, 21, 11692-11695.	1.7	49
99	Magnetofluorescent Nanoaggregates Incorporating Terbium(III) Complexes as Potential Bimodal Agents for Magnetic Resonance and Optical Imaging. European Journal of Inorganic Chemistry, 2015, 2015, 4572-4578.	1.0	8
100	Luminescence and Relaxometric Properties of Heteropolymetallic Metallostar Complexes with Selectively Incorporated Lanthanide(III) Ions. European Journal of Inorganic Chemistry, 2015, 2015, 4207-4216.	1.0	4
101	Understanding the Regioselective Hydrolysis of Human Serum Albumin by Zr(IV)-Substituted Polyoxotungstates Using Tryptophan Fluorescence Spectroscopy. Inorganics, 2015, 3, 230-245.	1.2	22
102	Gadolinium(III)-DOTA Complex Functionalized with BODIPY as a Potential Bimodal Contrast Agent for MRI and Optical Imaging. Inorganics, 2015, 3, 516-533.	1.2	13
103	Potential theranostic and multimodal iron oxide nanoparticles decorated with rhenium-bipyridine and phenanthroline complexes. Journal of Materials Chemistry B, 2015, 3, 4370-4376.	2.9	13
104	Assembly of near infra-red emitting upconverting nanoparticles and multiple Gd(III)-chelates as a potential bimodal contrast agent for MRI and optical imaging. Dalton Transactions, 2015, 44, 11331-11339.	1.6	19
105	Multinuclear Diffusion NMR Spectroscopy and DFT Modeling: A Powerful Combination for Unraveling the Mechanism of Phosphoester Bond Hydrolysis Catalyzed by Metal-Substituted Polyoxometalates. Chemistry - A European Journal, 2015, 21, 4428-4439.	1.7	47
106	Selective hydrolysis of oxidized insulin chain B by a Zr(IV)-substituted Wells-Dawson polyoxometalate. Dalton Transactions, 2015, 44, 1539-1548.	1.6	51
107	Facile azide formation via diazotransfer reaction in a copper tube flow reactor. Tetrahedron Letters, 2015, 56, 1687-1690.	0.7	9
108	Comparative Study of the Reactivity of Zirconium(IV)-Substituted Polyoxometalates towards the Hydrolysis of Oligopeptides. European Journal of Inorganic Chemistry, 2015, 2015, 2206-2215.	1.0	24

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109	A versatile and highly efficient post-functionalization method for grafting organic molecules onto Anderson-type polyoxometalates. Dalton Transactions, 2015, 44, 19059-19062.	1.6	29
110	Hydrolysis of the RNA model substrate catalyzed by a binuclear Zr <sup>IV</sup> -substituted Keggin polyoxometalate. Dalton Transactions, 2015, 44, 15690-15696.	1.6	22
111	Eu(III) luminescence and tryptophan fluorescence spectroscopy as a tool for understanding interactions between hen egg white lysozyme and metal-substituted Keggin type polyoxometalates. Journal of Inorganic Biochemistry, 2015, 150, 72-80.	1.5	25
112	Selective protein purification by PEG-IDA-functionalized iron oxide nanoparticles. RSC Advances, 2015, 5, 66549-66553.	1.7	9
113	Magnetofluorescent micellar complexes of terbium(III) as potential bimodal contrast agents for magnetic resonance and optical imaging. Chemical Communications, 2015, 51, 2984-2986.	2.2	20
114	Reactivity of Dimeric Tetrazirconium(IV) Wells-Dawson Polyoxometalate toward Dipeptide Hydrolysis Studied by a Combined Experimental and Density Functional Theory Approach. Inorganic Chemistry, 2015, 54, 11477-11492.	1.9	32
115	Synthesis and Characterization of Holmium-Doped Iron Oxide Nanoparticles. Materials, 2014, 7, 1155-1164.	1.3	32
116	Molecular Origin of the Hydrolytic Activity and Fixed Regioselectivity of a Zr <sup>IV</sup> -Substituted Polyoxotungstate as Artificial Protease. Chemistry - A European Journal, 2014, 20, 9567-9577.	1.7	53
117	Solution Speciation of the Dinuclear Zr <sup>IV</sup> -Substituted Keggin Polyoxometalate $[Zr_2O_4(OH)_2(H_2O)_2]^{10-}$ and Its Reactivity towards DNA Model Phosphodiester Hydrolysis. European Journal of Inorganic Chemistry, 2014, 2014, 5276-5284.	1.0	25
118	Fabrication of polymer inverse opals with linear and nonlinear optical functionalities using a sandwiching approach. , 2014, , .		1
119	Hydrolysis of Tetraglycine by a Zr(IV)-Substituted Wells-Dawson Polyoxotungstate Studied by Diffusion Ordered NMR Spectroscopy. Journal of Cluster Science, 2014, 25, 855-866.	1.7	12
120	Regioselective Hydrolysis of Human Serum Albumin by Zr <sup>IV</sup> -Substituted Polyoxotungstates at the Interface of Positively Charged Protein Surface Patches and Negatively Charged Amino Acid Residues. Chemistry - A European Journal, 2014, 20, 3894-3897.	1.7	92
121	Integrating <sup>31</sup> P DOSY NMR Spectroscopy and Molecular Mechanics as a Powerful Tool for Unraveling the Chemical Structures of Polyoxomolybdate-Based Amphiphilic Nanohybrids in Aqueous Solution. Chemistry - A European Journal, 2014, 20, 5258-5270.	1.7	13
122	Controlled Synthesis of a Novel Heteropolymetallic Complex with Selectively Incorporated Lanthanide(III) Ions. Inorganic Chemistry, 2014, 53, 1257-1259.	1.9	22
123	Molecular Origin of the Hydrolytic Activity and Fixed Regioselectivity of a Zr <sup>IV</sup> -Substituted Polyoxotungstate as Artificial Protease. Chemistry - A European Journal, 2014, 20, 9457-9457.	1.7	0
124	Micellar self-assemblies of gadolinium(III)/europium(III) amphiphilic complexes as model contrast agents for bimodal imaging. Dalton Transactions, 2014, 43, 3589.	1.6	30
125	Thermodynamic study of the interaction between hen egg white lysozyme and Ce(IV)-Keggin polyoxotungstate as artificial protease. Physical Chemistry Chemical Physics, 2014, 16, 21778-21787.	1.3	33
126	A computational study of the glycyserine hydrolysis at physiological pH: a zwitterionic versus anionic mechanism. Organic and Biomolecular Chemistry, 2014, 12, 1395.	1.5	3



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127	Towards polymetallic lanthanide complexes as dual contrast agents for magnetic resonance and optical imaging. <i>Chemical Society Reviews</i> , 2014, 43, 8178-8192.	18.7	141
128	Sandwich Approach toward Inverse Opals with Linear and Nonlinear Optical Functionalities. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3870-3878.	4.0	7
129	Enantioselective Assembly of a Ruthenium(II) Polypyridyl Complex into a Double Helix. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8959-8962.	7.2	14
130	Selective hydrolysis of hen egg white lysozyme at Asp-X peptide bonds promoted by oxomolybdate. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 73-80.	1.5	16
131	A Mechanistic Study of the Spontaneous Hydrolysis of Glycylserine as the Simplest Model for Protein Self-Cleavage. <i>Chemistry - A European Journal</i> , 2014, 20, 456-466.	1.7	17
132	Amino acid side chain induced selectivity in the hydrolysis of peptides catalyzed by a Zr(IV)-substituted Wells-Dawson type polyoxometalate. <i>Dalton Transactions</i> , 2013, 42, 15437.	1.6	47
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