

Pedro M Aguiar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8341240/publications.pdf>

Version: 2024-02-01

44
papers

1,277
citations

331670

21
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

1665
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Pseudodiproline Dimers as Mimetics of Pro-Pro Units: Stereocontrolled Synthesis, Configurational Relevance, and Structural Properties. <i>Journal of Organic Chemistry</i> , 2021, 86, 16834-16847.	3.2	3
2	Functionalising hydrothermal carbons for catalysis – investigating solid acids in esterification reactions. <i>Catalysis Science and Technology</i> , 2020, 10, 776-787.	4.1	6
3	Nuclear Magnetic Resonance and Computational Study of trans-(1/42:1,2,1,3-Butadiene)bis(trichloroplatinate(II)). <i>Organometallics</i> , 2020, 39, 4723-4734.	2.3	0
4	Building Large Structures with Curved Aromatic Surfaces by Complexing Metals with Phosphangulene. <i>Journal of the American Chemical Society</i> , 2019, 141, 18740-18753.	13.7	11
5	NAD+ analog reveals PARP-1 substrate-blocking mechanism and allosteric communication from catalytic center to DNA-binding domains. <i>Nature Communications</i> , 2018, 9, 844.	12.8	163
6	Self-complementary nickel halides enable multifaceted comparisons of intermolecular halogen bonds: fluoride ligands vs. other halides. <i>Chemical Science</i> , 2018, 9, 3767-3781.	7.4	27
7	Capacitance-Assisted Sustainable Electrochemical Carbon Dioxide Mineralisation. <i>ChemSusChem</i> , 2018, 11, 137-148.	6.8	15
8	Configurationally flexible zinc complexes as catalysts for rac-lactide polymerisation. <i>Dalton Transactions</i> , 2018, 47, 16279-16291.	3.3	10
9	Redox Couple Involving NO ₃ in Aerobic Pd-Catalyzed Oxidation of sp ³ -C-H Bonds: Direct Evidence for Pd-NO ₃ ⁺ /NO ₂ ⁺ Interactions Involved in Oxidation and Reductive Elimination. <i>Journal of the American Chemical Society</i> , 2017, 139, 1177-1190.	13.7	31
10	Conserved asymmetry underpins homodimerization of Dicer-associated double-stranded RNA-binding proteins. <i>Nucleic Acids Research</i> , 2017, 45, 12577-12584.	14.5	17
11	Photochemical pump and NMR probe to monitor the formation and kinetics of hyperpolarized metal dihydrides. <i>Chemical Science</i> , 2016, 7, 7087-7093.	7.4	16
12	DNA recognition for virus assembly through multiple sequence-independent interactions with a helix-turn-helix motif. <i>Nucleic Acids Research</i> , 2016, 44, 776-789.	14.5	26
13	Synthesis of a series of new platinum organometallic complexes derived from bidentate Schiff-base ligands and their catalytic activity in the hydrosilylation and dehydrosilylation of styrene. <i>Dalton Transactions</i> , 2015, 44, 11919-11928.	3.3	20
14	Simultaneous Recovery of Organic and Inorganic Content of Paper Deinking Residue through Low-Temperature Microwave-Assisted Pyrolysis. <i>Environmental Science & Technology</i> , 2015, 49, 2398-2404.	10.0	16
15	¹ H high resolution magic-angle coil spinning (HR-MACS) 1/4NMR metabolic profiling of whole <i>Saccharomyces cerevisiae</i> cells: a demonstrative study. <i>Frontiers in Chemistry</i> , 2014, 2, 38.	3.6	16
16	Local and Average Structure in Zinc Cyanide: Toward an Understanding of the Atomistic Origin of Negative Thermal Expansion. <i>Journal of the American Chemical Society</i> , 2013, 135, 16478-16489.	13.7	44
17	Network connectivity in cesium borosilicate glasses: ¹⁷ O multiple-quantum MAS and double-resonance NMR. <i>Journal of Non-Crystalline Solids</i> , 2013, 363, 50-56.	3.1	32
18	A convenient, high-sensitivity approach to multiple-resonance NMR at nanolitre volumes with inductively-coupled micro-coils. <i>Chemical Communications</i> , 2011, 47, 2119-2121.	4.1	7

#	ARTICLE	IF	CITATIONS
19	A low-cost strategy for ^{43}Ca solid-state NMR spectroscopy. <i>Chemical Science</i> , 2011, 2, 815.	7.4	20
20	Oscillatory zoned liddicoatite from Anjanaboina, central Madagascar. I. Crystal chemistry and structure by SREF and ^{11}B and ^{27}Al MAS NMR spectroscopy. <i>Canadian Mineralogist</i> , 2011, 49, 63-88.	1.0	39
21	The crystal chemistry of "wheatsheaf"™ tourmaline from Mogok, Myanmar. <i>Mineralogical Magazine</i> , 2011, 75, 65-86.	1.4	9
22	Design, fabrication and evaluation of a low-cost homogeneous portable permanent magnet for NMR and MRI. <i>Comptes Rendus Chimie</i> , 2010, 13, 388-393.	0.5	25
23	Slow magic-angle coil spinning: A high-sensitivity and high-resolution NMR strategy for microscopic biological specimens. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 269-274.	3.0	24
24	Field Stabilization of the Iseult/Inumac Magnet Operating in Driven Mode. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 790-793.	1.7	10
25	The occurrence of tetrahedrally coordinated Al and B in tourmaline: An ^{11}B and ^{27}Al MAS NMR study. <i>American Mineralogist</i> , 2009, 94, 785-792.	1.9	47
26	Experimental and numerical examination of eddy (Foucault) currents in rotating micro-coils: Generation of heat and its impact on sample temperature. <i>Journal of Magnetic Resonance</i> , 2009, 200, 6-14.	2.1	41
27	Insights into Oxygen Exchange Between Gaseous O_2 and Supported Vanadium Oxide Catalysts via ^{17}O NMR. <i>Chemistry of Materials</i> , 2009, 21, 4127-4134.	6.7	15
28	Germanium-73 NMR of amorphous and crystalline GeO_2 . <i>Chemical Communications</i> , 2009, , 4660.	4.1	27
29	Natural abundance ^{13}C and ^{15}N solid-state NMR analysis of paramagnetic transition-metal cyanide coordination polymers. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6925.	2.8	20
30	Cyanide orientational ordering and copper electric field gradients in $\text{CuCN}\cdot\text{N}_2\cdot\text{H}_4$. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 834-840.	2.8	8
31	Benzo[<i>f</i>] and Benzo[<i>h</i>] Coumarin-Containing Poly(methyl methacrylate)s and Poly(methyl) Tj ETQq1 1 0.784314 rg 2008, 209, 84-103.	2.2	23
32	Application of static microcoils and WURST pulses for solid-state ultra-wideline NMR spectroscopy of quadrupolar nuclei. <i>Chemical Physics Letters</i> , 2008, 466, 227-234.	2.6	53
33	Mushroom elbaite from the Kat Chay mine, Momeik, near Mogok, Myanmar: II. Zoning and crystal growth. <i>Mineralogical Magazine</i> , 2008, 72, 999-1010.	1.4	17
34	Structural and Spectroscopic Impact of Tuning the Stereochemical Activity of the Lone Pair in Lead(II) Cyanoaurate Coordination Polymers via Ancillary Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 6353-6363.	4.0	50
35	Mushroom elbaite from the Kat Chay mine, Momeik, near Mogok, Myanmar: I. Crystal chemistry by SREF, EMPA, MAS NMR and Mössbauer spectroscopy. <i>Mineralogical Magazine</i> , 2008, 72, 747-761.	1.4	45
36	Boron speciation and non-bridging oxygens in high-alkali borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1834-1839.	3.1	41

#	ARTICLE	IF	CITATIONS
37	Probing alkali coordination environments in alkali borate glasses by multinuclear magnetic resonance. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2582-2590.	3.1	96
38	A paramagnetic Cu(i)/Cu(ii)/Zn(ii) coordination polymer with multiple CN-binding modes and its solid-state NMR characterization. <i>Chemical Communications</i> , 2006, , 744.	4.1	25
39	Structure and Multinuclear Solid-State NMR of a Highly Birefringent Lead-Gold Cyanide Coordination Polymer. <i>Journal of the American Chemical Society</i> , 2006, 128, 3669-3676.	13.7	73
40	Structural studies of solution-made high alkali content borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 674-678.	3.1	10
41	Medium-range order in cesium borate glasses probed by double-resonance NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 27, 10-15.	2.3	20
42	Hyperbranched Polymers Containing Cyclopentadienyliron Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005, 15, 349-359.	3.7	19
43	Highly Cross-Linked, Self-Doped Polyaniline Exhibiting Unprecedented Hardness. <i>Chemistry of Materials</i> , 2005, 17, 3803-3805.	6.7	31
44	Factors Affecting the Solid-State Structure and Dimensionality of Mercury Cyanide/Chloride Double Salts, and NMR Characterization of Coordination Geometries. <i>Inorganic Chemistry</i> , 2004, 43, 6557-6567.	4.0	29