

# Vania Andre

## List of Publications by Year in descending order

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108  
papers

2,340  
citations

218381

26  
h-index

253896

43  
g-index

118  
all docs

118  
docs citations

118  
times ranked

3075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Reactivity of Dirhodium(II) Complexes with Axial N-Heterocyclic Carbene Ligands: The Arylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5750-5753.	7.2	113
2	Mechanosynthesis of the Metallodrug Bismuth Subsalsicylate from Bi <sub>2</sub> O <sub>3</sub> and Structure of Bismuth Salicylate without Auxiliary Organic Ligands. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7858-7861.	7.2	110
3	Axial Coordination of NHC Ligands on Dirhodium(II) Complexes: Generation of a New Family of Catalysts. <i>Journal of Organic Chemistry</i> , 2008, 73, 4076-4086.	1.7	94
4	Water as the reaction medium for multicomponent reactions based on boronic acids. <i>Tetrahedron</i> , 2010, 66, 2736-2745.	1.0	91
5	New Tetracopper(II) Cubane Cores Driven by a Diamino Alcohol: Self-assembly Synthesis, Structural and Topological Features, and Magnetic and Catalytic Oxidation Properties. <i>Inorganic Chemistry</i> , 2015, 54, 5204-5212.	1.9	77
6	Copper(II) Coordination Polymers Self-Assembled from Aminoalcohols and Pyromellitic Acid: Highly Active Precatalysts for the Mild Water-Promoted Oxidation of Alkanes. <i>Inorganic Chemistry</i> , 2016, 55, 125-135.	1.9	77
7	New forms of old drugs: improving without changing. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 830-846.	1.2	76
8	New tricopper(II) cores self-assembled from aminoalcohol biobuffers and homophthalic acid: synthesis, structural and topological features, magnetic properties and mild catalytic oxidation of cyclic and linear C <sub>5</sub> -C <sub>8</sub> alkanes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 525-537.	3.0	74
9	Tailoring aqueous solubility of a highly soluble compound via cocrystallization: effect of cofomer ionization, pH <sub>max</sub> and solute-solvent interactions. <i>CrystEngComm</i> , 2012, 14, 4801.	1.3	71
10	Dinuclear Zinc(II) Macrocyclic Complex as Receptor for Selective Fluorescence Sensing of Pyrophosphate. <i>Inorganic Chemistry</i> , 2016, 55, 2212-2219.	1.9	64
11	Drug-containing coordination and hydrogen bonding networks obtained mechanochemically. <i>CrystEngComm</i> , 2009, 11, 2618.	1.3	57
12	Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. <i>Crystal Growth and Design</i> , 2009, 9, 5108-5116.	1.4	55
13	On the Track of New Multicomponent Gabapentin Crystal Forms: Synthons Competition and pH Stability. <i>Crystal Growth and Design</i> , 2011, 11, 2325-2334.	1.4	49
14	Silver(I) Coordination Polymers Immobilized into Biopolymer Films for Antimicrobial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12836-12844.	4.0	49
15	Polymorphic gabapentin: thermal behaviour, reactivity and interconversion of forms in solution and solid-state. <i>New Journal of Chemistry</i> , 2008, 32, 1788.	1.4	47
16	Zn-Ni sulfide selective precipitation: The role of supersaturation. <i>Separation and Purification Technology</i> , 2010, 74, 108-118.	3.9	45
17	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action) Tj ETQq1 1 0.784314 rgBT/Overlock_10 Tf 50	1.2	44
18	Topological Diversity of Supramolecular Networks Constructed from Copper(II) Aminoalcohol Blocks and 2,6-Naphthalenedicarboxylate Linkers: Self-Assembly Synthesis, Structural Features, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2014, 14, 3398-3407.	1.4	43

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19	Mechanochemistry – A green synthetic methodology leading to metallodrugs, metallopharmaceuticals and bio-inspired metal-organic frameworks. <i>Inorganica Chimica Acta</i> , 2017, 455, 309-318.	1.2	42
20	Novel Antibacterial Azelaic Acid BioMOFs. <i>Crystal Growth and Design</i> , 2020, 20, 370-382.	1.4	37
21	Mg- and Mn-MOFs Boost the Antibiotic Activity of Nalidixic Acid. <i>ACS Applied Bio Materials</i> , 2019, 2, 2347-2354.	2.3	35
22	Dicarboxylate Recognition Properties of a Dinuclear Copper(II) Cryptate. <i>Inorganic Chemistry</i> , 2015, 54, 229-240.	1.9	31
23	Selective arylation of aldehydes with di-rhodium(II)/NHC catalysts. <i>Tetrahedron</i> , 2010, 66, 8494-8502.	1.0	30
24	Packing Interactions and Physicochemical Properties of Novel Multicomponent Crystal Forms of the Anti-Inflammatory Azelaic Acid Studied by X-ray and Solid-State NMR. <i>Crystal Growth and Design</i> , 2016, 16, 154-166.	1.4	30
25	N-Heterocyclic Carbene Catalyzed Addition of Aldehydes to Diazo Compounds: Stereoselective Synthesis of N-Acylhydrazones. <i>Organic Letters</i> , 2013, 15, 1760-1763.	2.4	29
26	An insight into dapsone co-crystals: sulfones as participants in supramolecular interactions. <i>CrystEngComm</i> , 2013, 15, 8173.	1.3	28
27	Characterization of two DLC coatings for joint prosthesis: The role of albumin on the tribological behavior. <i>Surface and Coatings Technology</i> , 2010, 204, 3451-3458.	2.2	27
28	Exploring mechanochemistry to turn organic bio-relevant molecules into metal-organic frameworks: a short review. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2416-2427.	1.3	27
29	Asymmetric Intramolecular C-H Insertion of $\alpha$ -Diazoacetamides in Water by Dirhodium(II) Catalysts Derived from Natural Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2921-2927.	2.1	26
30	Sulfate recognition by a hexaaza cryptand receptor. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 834-842.	1.5	26
31	Revisiting paracetamol in a quest for new co-crystals. <i>CrystEngComm</i> , 2012, 14, 5005.	1.3	25
32	Mechanochemical Assembly of Nalidixic Acid Bioinspired Metal-Organic Compounds and Complexes toward Improved Solubility. <i>Crystal Growth and Design</i> , 2018, 18, 2067-2081.	1.4	25
33	Silica nanocarriers with user-defined precise diameters by controlled template self-assembly. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 609-619.	5.0	25
34	Probing the Azaaurone Scaffold against the Hepatic and Erythrocytic Stages of Malaria Parasites. <i>ChemMedChem</i> , 2016, 11, 2194-2204.	1.6	23
35	Four-Component Assembly of Chiral $\beta$ Heterocycles with a Natural Product-Like Framework. <i>Organic Letters</i> , 2012, 14, 988-991.	2.4	22
36	Trienamines derived from 5-substituted furfurals: remote $\mu$ -functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9324-9328.	1.5	22

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37	Mild homogeneous oxidation and hydrocarboxylation of cycloalkanes catalyzed by novel dicopper(II) aminoalcohol-driven cores. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 357-367.	4.8	22
38	New dirhodium complex with activity towards colorectal cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3413-3415.	1.0	21
39	Molecular Recognition of Steroid Hormones in the Solid State: Stark Differences in Cocrystallization of $\beta$ -Estradiol and Estrone. <i>Crystal Growth and Design</i> , 2015, 15, 1492-1501.	1.4	21
40	Di- versus Trinuclear Copper(II) Cryptate for the Uptake of Dicarboxylate Anions. <i>Inorganic Chemistry</i> , 2016, 55, 7051-7060.	1.9	21
41	Ionic Co-Crystal Formation as a Path Towards Chiral Resolution in the Solid State. <i>Chemistry - A European Journal</i> , 2018, 24, 12564-12573.	1.7	21
42	New aqua-soluble dicopper(II) aminoalcoholate cores for mild and water-assisted catalytic oxidation of alkanes. <i>Catalysis Science and Technology</i> , 2016, 6, 4584-4593.	2.1	20
43	Polymorphic Ammonium Salts of the Antibiotic 4-Aminosalicylic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 3082-3090.	1.4	19
44	Molecular Docking Studies of Royleanone Diterpenoids from <i>Plectranthus</i> spp. as P-Glycoprotein Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 839-845.	1.3	19
45	Ring-Expansion Reaction of Isatins with Ethyl Diazoacetate Catalyzed by Dirhodium(II)/DBU Metal-Organic System: En Route to Viridicatin Alkaloids. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6280-6290.	1.2	18
46	Cu(II) and V(IV)O complexes with tri- or tetradentate ligands based on (2-hydroxybenzyl)-alanines reveal promising anticancer therapeutic potential. <i>Dalton Transactions</i> , 2021, 50, 157-169.	1.6	17
47	Novel 1-Hydroxypiperazine-2,6-diones as New Leads in the Inhibition of Metalloproteinases. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8289-8298.	2.9	16
48	12,17-Cyclojatrophane and Jatrophane Constituents of <i>Euphorbia welwitschii</i> . <i>Journal of Natural Products</i> , 2015, 78, 2684-2690.	1.5	16
49	Intramolecular electron transfer in the photodimerisation product of a tetrathiafulvalene derivative in solution and on a surface. <i>Chemical Science</i> , 2013, 4, 307-310.	3.7	15
50	Mild C-H functionalization of alkanes catalyzed by bioinspired copper(II) cores. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7706-7714.	1.5	15
51	Bioactivity of Isostructural Hydrogen Bonding Frameworks Built from Pipemidic Acid Metal Complexes. <i>Molecules</i> , 2020, 25, 2374.	1.7	14
52	Solid state photodimerisation of tetrathiafulvalene derivatives bearing carboxylate and carboxylic acid substituents. <i>CrystEngComm</i> , 2013, 15, 9878.	1.3	12
53	Gabapentin Coordination Networks: Mechanochemical Synthesis and Behavior under Shelf Conditions. <i>Crystal Growth and Design</i> , 2013, 13, 5007-5017.	1.4	11
54	Structural and thermal properties of three cyano-substituted azoderivatives of $\beta$ -diketones. <i>Journal of Molecular Structure</i> , 2011, 992, 72-76.	1.8	10

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55	Zinc-Formate Metal-Organic Frameworks: Watch Out for Reactive Solvents. <i>Journal of Chemical Crystallography</i> , 2015, 45, 178-188.	0.5	10
56	Antimicrobial Activity of Pyrazinamide Coordination Frameworks Synthesized by Mechanochemistry. <i>Molecules</i> , 2021, 26, 1904.	1.7	10
57	First Crystal Structures of the Antihypertensive Drug Perindopril Erbumine: A Novel Hydrated Form and Polymorphs $\hat{1}$ and $\hat{2}$ . <i>Crystal Growth and Design</i> , 2011, 11, 3703-3706.	1.4	9
58	Characterization and optimization of the haemozoin-like crystal (HLC) assay to determine Hz inhibiting effects of anti-malarial compounds. <i>Malaria Journal</i> , 2015, 14, 403.	0.8	9
59	Recognition of phosphopeptides by a dinuclear copper( <i>ii</i> ) macrocyclic complex in a water:methanol 50:50 v/v solution. <i>Dalton Transactions</i> , 2017, 46, 9549-9564.	1.6	9
60	Mechanochemical preparation of molecular and ionic co-crystals of the hormone melatonin. <i>CrystEngComm</i> , 2019, 21, 2949-2954.	1.3	9
61	Ribose-borate esters as potential components for prebiological evolution. <i>Journal of Molecular Structure</i> , 2019, 1184, 281-288.	1.8	9
62	Hydrogen bonding networks of nalidixic acid-copper(ii) complexes. <i>CrystEngComm</i> , 2019, 21, 7199-7203.	1.3	9
63	Sparfloxacin Multicomponent Crystals: Targeting the Solubility of Problematic Antibiotics. <i>Crystal Growth and Design</i> , 2021, 21, 995-1005.	1.4	9
64	Short synthesis of the natural product 3 $\hat{2}$ -hydroxy-labd-8(17)-en-15-oic acid via microbial transformation of labdanolic acid. <i>Phytochemistry Letters</i> , 2013, 6, 165-169.	0.6	8
65	Exploring antibiotics as ligands in metal-organic and hydrogen bonding frameworks: Our novel approach towards enhanced antimicrobial activity (mini-review). <i>Inorganica Chimica Acta</i> , 2021, 525, 120474.	1.2	8
66	An ester derivative of the drug gabapentin: pH dependent crystal stability. <i>Journal of Molecular Structure</i> , 2010, 973, 173-179.	1.8	7
67	Cucurbalsaminones C, Rearranged Triterpenoids with a 5/6/3/6/5-Fused Pentacyclic Carbon Skeleton from <i>Momordica balsamina</i> , as Multidrug Resistance Reversers. <i>Journal of Natural Products</i> , 2019, 82, 2138-2143.	1.5	7
68	Aminoalcoholate-driven tetracopper(II) cores as dual acetyl and butyrylcholinesterase inhibitors: Experimental and theoretical elucidation of mechanism of action. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110990.	1.5	7
69	The Lisbon Supramolecular Green Story: Mechanochemistry towards New Forms of Pharmaceuticals. <i>Molecules</i> , 2020, 25, 2705.	1.7	7
70	Mechanochemistry in Portugal—A Step towards Sustainable Chemical Synthesis. <i>Molecules</i> , 2022, 27, 241.	1.7	7
71	Tetra- $\hat{1}/4$ -acetato-bis{[1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene]rhodium(II)}( <i>Rh</i> )-tetrahydrofuran tetrasolvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, m345-m348.	0.4	6
72	Transforming aspirin into novel molecular salts of salicylic acid. <i>Structural Chemistry</i> , 2014, 25, 707-714.	1.0	6

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73	Novel Bisphosphonates Derived from 1 <i>H</i> -indazole, 1 <i>H</i> -Pyrazolo[3,4- <i>b</i> ]Pyridine, and 1 <i>H</i> -Pyrazolo[3,4- <i>b</i> ]Quinoline. Heteroatom Chemistry, 2016, 27, 3-11.	0.4	6
74	Inhibition of the STAT3 Protein by a Dinuclear Macrocyclic Complex. Inorganic Chemistry, 2016, 55, 3589-3598.	1.9	6
75	Expanding the Pool of Multicomponent Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: The Influence of Crystallization Conditions. Crystal Growth and Design, 2017, 17, 6417-6425.	1.4	6
76	Interplay between H-bonding and interpenetration in an aqueous copper(II)-aminoalcohol-pyromellitic acid system: self-assembly synthesis, structural features and catalysis. Dalton Transactions, 2018, 47, 16674-16683.	1.6	6
77	Tetracopper(II) Cores Driven by an Unexplored Trifunctional Aminoalcohol Sulfonic Acid for Mild Catalytic C-H Functionalization of Alkanes. Catalysts, 2019, 9, 321.	1.6	6
78	Bio-Inspired Metal-Organic Frameworks in the Pharmaceutical World: A Brief Review. , 0, , .		5
79	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. Journal of Physical Chemistry C, 2019, 123, 5804-5811.	1.5	5
80	Hybrid Silver(I)-Doped Soybean Oil and Potato Starch Biopolymer Films to Combat Bacterial Biofilms. ACS Applied Materials & Interfaces, 2022, 14, 25104-25114.	4.0	5
81	A unified approach toward the rational design of selective low nanomolar human neutrophil elastase inhibitors. RSC Advances, 2015, 5, 51717-51721.	1.7	4
82	Molecular Salts of L-Carnosine: Combining a Natural Antioxidant and Geroprotector with Generally Regarded as Safe (GRAS) Organic Acids. Crystal Growth and Design, 2017, 17, 3379-3386.	1.4	4
83	Self-assembly generation, structural features, and oxidation catalytic properties of new aqua-soluble copper(II)-aminoalcohol derivatives. Inorganic Chemistry Frontiers, 2017, 4, 968-977.	3.0	4
84	From pipemidic acid molecular salts to metal complexes and BioMOFs using mechanochemistry. CrystEngComm, 2021, 23, 1099-1109.	1.3	4
85	Time-Dependent Self-Assembly of Copper(II) Coordination Polymers and Tetranuclear Rings: Catalysts for Oxidative Functionalization of Saturated Hydrocarbons. Inorganic Chemistry, 2021, 60, 14491-14503.	1.9	4
86	Synthesis of novel pyrazolo[3,4- <i>b</i> ]quinolinebisphosphonic acids and an unexpected intramolecular cyclization and phosphorylation reaction. Organic and Biomolecular Chemistry, 2021, 19, 2533-2545.	1.5	4
87	New 1-Hydroxy-1,1-bisphosphonates Derived from 1 <i>H</i> -Pyrazolo[3,4- <i>b</i> ]pyridine: Synthesis and Characterization. Journal of the Brazilian Chemical Society, 2013, , .	0.6	3
88	Pseudopolymorphism of levodopa: A novel "disappearing" dihydrate. Journal of Molecular Structure, 2014, 1076, 238-243.	1.8	3
89	New silver (thio)semicarbazide derivatives: synthesis, structural features, and antimicrobial activity. New Journal of Chemistry, 2020, 44, 10924-10932.	1.4	3
90	Mild oxidative functionalization of cycloalkanes catalyzed by novel dicopper(II) cores. Molecular Catalysis, 2021, 503, 111401.	1.0	3

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91	New cocrystals of flurbiprofen and proline: structural effect of enantiomorphism. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s356-s356.	0.0	3
92	Novel Challenges in Crystal Engineering: Polymorphs and New Crystal Forms of Active Pharmaceutical Ingredients. , 0, , .		2
93	A new conformer of 1,4,7-tris(p-tolylsulfonyl)-1,4,7-triazacyclononane. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o594-o596.	0.4	1
94	Etchability Dependence of InOx and ITO Thin Films by Plasma Enhanced Reactive Thermal Evaporation on Structural Properties and Deposition Conditions. MRS Advances, 2018, 3, 207-212.	0.5	1
95	New Câ€³ Substituted 1<i>H</i>â€•and 2<i>H</i>â€•ndazolephosphonic Acid Regioisomers: Synthesis, Spectroscopic Characterization and Xâ€•Ray Diffraction Studies. ChemistrySelect, 2021, 6, 9599-9607.	0.7	1
96	New crystal forms of the antibiotic 4-aminosalicylic acid. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s300-s301.	0.3	1
97	Silver(I)-Tazobactam Frameworks with Improved Antimicrobial Activity. Frontiers in Chemistry, 2021, 9, 815827.	1.8	1
98	Synthon competition in new pharmaceutical forms: how crystal structure affects properties. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C365-C365.	0.3	0
99	Waste-free synthesis of the metallodrug bismuth subsalicylate. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C270-C271.	0.3	0
100	Envisaging ZMOFs towards improved drug delivery and release. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s257-s258.	0.0	0
101	Pharma: improving and controlling properties. Cocrystals, bio-inspired MOFs and ionic liquids. Gabapentin, a case study. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s119-s119.	0.0	0
102	Addendum: da Silva, J.L.F.; et al. The Lisbon Supramolecular Green Story: Mechanochemistry towards New Forms of Pharmaceuticals. Molecules 2020, 25, 2705. Molecules, 2021, 26, 419.	1.7	0
103	New crystal forms of gabapentin. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C477-C477.	0.3	0
104	Alternative crystal forms of the antihypertensive perindopril erbumine. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s220-s220.	0.3	0
105	Polymorphic salts of the antibiotic 4-aminosalicylic acid. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s224-s225.	0.3	0
106	BioMOFs: are we getting alternative carriers for improved drug storage and release?. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s59-s59.	0.0	0
107	Mechanochemistry, a tool for improving drug physicochemical properties and delivery: salt formation and metal coordination. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e135-e135.	0.0	0
108	An indium-oxide electrode with discontinuous Au layers for plasmonic devices. , 2020, , .		0