

# Vania Andre

## 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.

98  
papers

1,964  
citations

24  
h-index

40  
g-index

118  
ext. papers

2,253  
ext. citations

4.1  
avg. IF

5.13  
L-index

#	Paper	IF	Citations
98	Silver(I)-Tazobactam Frameworks with Improved Antimicrobial Activity.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 815827	5	
97	Sparfloxacin Multicomponent Crystals: Targeting the Solubility of Problematic Antibiotics. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 995-1005	3.5	3
96	Antimicrobial Activity of Pyrazinamide Coordination Frameworks Synthesized by Mechanochemistry. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
95	Mild oxidative functionalization of cycloalkanes catalyzed by novel dicopper(II) cores. <i>Molecular Catalysis</i> , <b>2021</b> , 503, 111401	3.3	2
94	Silver(I) Coordination Polymers Immobilized into Biopolymer Films for Antimicrobial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12836-12844	9.5	22
93	Time-Dependent Self-Assembly of Copper(II) Coordination Polymers and Tetranuclear Rings: Catalysts for Oxidative Functionalization of Saturated Hydrocarbons. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14491-14503	5.1	4
92	Cu(II) and V(IV)O complexes with tri- or tetradentate ligands based on (2-hydroxybenzyl)-L-alanines reveal promising anticancer therapeutic potential. <i>Dalton Transactions</i> , <b>2021</b> , 50, 157-169	4.3	8
91	From pipemidic acid molecular salts to metal complexes and BioMOFs using mechanochemistry. <i>CrystEngComm</i> , <b>2021</b> , 23, 1099-1109	3.3	2
90	Addendum: da Silva, J.L.F.; et al. The Lisbon Supramolecular Green Story: Mechanochemistry towards New Forms of Pharmaceuticals. <i>Molecules</i> 2020, 25, 2705. <i>Molecules</i> , <b>2021</b> , 26, 419	4.8	78
89	New C-3 Substituted 1H- and 2H-Indazolephosphonic Acid Regioisomers: Synthesis, Spectroscopic Characterization and X-Ray Diffraction Studies. <i>ChemistrySelect</i> , <b>2021</b> , 6, 9599-9607	1.8	
88	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> , <b>2021</b> , 525, 120474	2.7	1
87	Synthesis of novel pyrazolo[3,4-b]quinolinebisphosphonic acids and an unexpected intramolecular cyclization and phosphorylation reaction. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 2533-2545	3.9	1
86	Bioactivity of Isostructural Hydrogen Bonding Frameworks Built from Pipemidic Acid Metal Complexes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	7
85	New silver (thio)semicarbazide derivatives: synthesis, structural features, and antimicrobial activity. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10924-10932	3.6	1
84	Molecular Docking Studies of Royleanone Diterpenoids from spp. as P-Glycoprotein Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 839-845	4.3	11
83	The Lisbon Supramolecular Green Story: Mechanochemistry towards New Forms of Pharmaceuticals. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
82	European Research in Focus: Mechanochemistry for Sustainable Industry (COST Action MechSustInd). <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 8-9	3.2	24

81	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> , <b>2020</b> , 205, 110990	4.2	4
80	Silica nanocarriers with user-defined precise diameters by controlled template self-assembly. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 609-619	9.3	18
79	Novel Antibacterial Azelaic Acid BioMOFs. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 370-382	3.5	20
78	Mg- and Mn-MOFs Boost the Antibiotic Activity of Nalidixic Acid.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2347-2354	4.17	4
77	Tetracopper(II) Cores Driven by an Unexplored Trifunctional Aminoalcohol Sulfonic Acid for Mild Catalytic C-H Functionalization of Alkanes. <i>Catalysts</i> , <b>2019</b> , 9, 321	4	4
76	Mechanochemical preparation of molecular and ionic co-crystals of the hormone melatonin. <i>CrystEngComm</i> , <b>2019</b> , 21, 2949-2954	3.3	6
75	Ionic Liquids in Wonderland: From Electrostatics to Coordination Chemistry. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 5804-5811	3.8	3
74	Ribose-borate esters as potential components for prebiological evolution. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1184, 281-288	3.4	6
73	Cucurbalsaminones A-C, Rearranged Triterpenoids with a 5/6/3/6/5-Fused Pentacyclic Carbon Skeleton from , as Multidrug Resistance Reversers. <i>Journal of Natural Products</i> , <b>2019</b> , 82, 2138-2143	4.9	4
72	Mild C-H functionalization of alkanes catalyzed by bioinspired copper(ii) cores. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 7706-7714	3.9	12
71	Hydrogen bonding networks of nalidixic acid-copper(II) complexes. <i>CrystEngComm</i> , <b>2019</b> , 21, 7199-7203	3.3	4
70	Mechanochemical Assembly of Nalidixic Acid Bioinspired Metal-Organic Compounds and Complexes toward Improved Solubility. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2067-2081	3.5	15
69	Etchability Dependence of InOx and ITO Thin Films by Plasma Enhanced Reactive Thermal Evaporation on Structural Properties and Deposition Conditions. <i>MRS Advances</i> , <b>2018</b> , 3, 207-212	0.7	1
68	Ionic Co-Crystal Formation as a Path Towards Chiral Resolution in the Solid State. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12564-12573	4.8	13
67	Interplay between H-bonding and interpenetration in an aqueous copper(ii)-aminoalcohol-pyromellitic acid system: self-assembly synthesis, structural features and catalysis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16674-16683	4.3	5
66	Molecular Salts of L-Carnosine: Combining a Natural Antioxidant and Geroprotector with Generally Regarded as Safe (GRAS) Organic Acids. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 3379-3386	3.5	2
65	Self-assembly generation, structural features, and oxidation catalytic properties of new aqua-soluble copper(II)-aminoalcohol derivatives. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 968-977	6.8	2
64	Expanding the Pool of Multicomponent Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: The Influence of Crystallization Conditions. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 6417-6425	3.5	4

63	Exploring mechanochemistry to turn organic bio-relevant molecules into metal-organic frameworks: a short review. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 2416-2427	2.5	21
62	Recognition of phosphopeptides by a dinuclear copper(ii) macrocyclic complex in a water : methanol 50 : 50 v/v solution. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9549-9564	4.3	7
61	Mild homogeneous oxidation and hydrocarboxylation of cycloalkanes catalyzed by novel dicopper(II) aminoalcohol-driven cores. <i>Journal of Molecular Catalysis A</i> , <b>2017</b> , 426, 357-367		22
60	Mechanochemistry [A green synthetic methodology leading to metallodrugs, metallopharmaceuticals and bio-inspired metal-organic frameworks. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 309-318	2.7	32
59	Probing the Azaaurone Scaffold against the Hepatic and Erythrocytic Stages of Malaria Parasites. <i>ChemMedChem</i> , <b>2016</b> , 11, 2194-2204	3.7	14
58	Di- versus Trinuclear Copper(II) Cryptate for the Uptake of Dicarboxylate Anions. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 7051-60	5.1	18
57	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> , <b>2016</b> , 16, 154-166	3.5	28
56	Inhibition of the STAT3 Protein by a Dinuclear Macrocyclic Complex. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3589-98		6
55	Dinuclear Zinc(II) Macrocyclic Complex as Receptor for Selective Fluorescence Sensing of Pyrophosphate. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2212-9	5.1	57
54	New aqua-soluble dicopper(II) aminoalcoholate cores for mild and water-assisted catalytic oxidation of alkanes. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 4584-4593	5.5	17
53	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> , <b>2016</b> , 55, 125-35	5.1	73
52	New cocrystals of flurbiprofen and proline: structural effect of enantiomorphism. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2016</b> , 72, s356-s356	1.7	3
51	Bio-Inspired Metal-Organic Frameworks in the Pharmaceutical World: A Brief Review <b>2016</b> ,		3
50	Novel Bisphosphonates Derived from 1H-Indazole, 1H-Pyrazolo[3,4-b]Pyridine, and 1H-Pyrazolo[3,4-b]Quinoline. <i>Heteroatom Chemistry</i> , <b>2016</b> , 27, 3-11	1.2	4
49	Zinc-Formate Metal-Organic Frameworks: Watch Out for Reactive Solvents. <i>Journal of Chemical Crystallography</i> , <b>2015</b> , 45, 178-188	0.5	7
48	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> , <b>2015</b> , 54, 5204-12	5.1	69
47	Dicarboxylate recognition properties of a dinuclear copper(II) cryptate. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 229-40	5.1	30
46	Sulfate recognition by a hexaaza cryptand receptor. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 834-43.9		22

45	A unified approach toward the rational design of selective low nanomolar human neutrophil elastase inhibitors. <i>RSC Advances</i> , <b>2015</b> , 5, 51717-51721	3.7	2
44	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 C5-8 alkanes. <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 525-537	6.8	68
43	12,17-Cyclojatrophane and Jatrophane Constituents of <i>Euphorbia welwitschii</i> . <i>Journal of Natural Products</i> , <b>2015</b> , 78, 2684-90	4.9	12
42	Characterization and optimization of the haemozoin-like crystal (HLC) assay to determine Hz inhibiting effects of anti-malarial compounds. <i>Malaria Journal</i> , <b>2015</b> , 14, 403	3.6	6
41	New forms of old drugs: improving without changing. <i>Journal of Pharmacy and Pharmacology</i> , <b>2015</b> , 67, 830-46	4.8	58
40	Molecular Recognition of Steroid Hormones in the Solid State: Stark Differences in Cocrystallization of Estradiol and Estrone. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1492-1501	3.5	16
39	Transforming aspirin into novel molecular salts of salicylic acid. <i>Structural Chemistry</i> , <b>2014</b> , 25, 707-714	1.8	6
38	Pseudopolymorphism of levodopa: A novel disappearing dihydrate. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1076, 238-243	3.4	3
37	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> , <b>2014</b> , 14, 3398-3407	3.5	38
36	Trienamines derived from 5-substituted furfurals: remote functionalization of 2,4-dienals. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 9324-8	3.9	22
35	An insight into dapsons co-crystals: sulfones as participants in supramolecular interactions. <i>CrystEngComm</i> , <b>2013</b> , 15, 8173	3.3	25
34	Gabapentin Coordination Networks: Mechanochemical Synthesis and Behavior under Shelf Conditions. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5007-5017	3.5	7
33	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> , <b>2013</b> , 2013, 6280-6290	3.2	12
32	Intramolecular electron transfer in the photodimerisation product of a tetrathiafulvalene derivative in solution and on a surface. <i>Chemical Science</i> , <b>2013</b> , 4, 307-310	9.4	13
31	Solid state photodimerisation of tetrathiafulvalene derivatives bearing carboxylate and carboxylic acid substituents. <i>CrystEngComm</i> , <b>2013</b> , 15, 9878	3.3	8
30	Short synthesis of the natural product 3-hydroxy-labd-8(17)-en-15-oic acid via microbial transformation of labdanolic acid. <i>Phytochemistry Letters</i> , <b>2013</b> , 6, 165-169	1.9	7
29	N-heterocyclic carbene catalyzed addition of aldehydes to diazo compounds: stereoselective synthesis of N-acylhydrazones. <i>Organic Letters</i> , <b>2013</b> , 15, 1760-3	6.2	25
28	New 1-Hydroxy-1,1-bisphosphonates Derived from 1H-Pyrazolo[3,4-b]pyridine: Synthesis and Characterization. <i>Journal of the Brazilian Chemical Society</i> , <b>2013</b> ,	1.5	2

27	Tailoring aqueous solubility of a highly soluble compound via cocrystallization: effect of coformer ionization, pH <sub>max</sub> and solute-solvent interactions. <i>CrystEngComm</i> , <b>2012</b> , 14, 4801	3.3	58
26	Four-component assembly of chiral N-B heterocycles with a natural product-like framework. <i>Organic Letters</i> , <b>2012</b> , 14, 988-91	6.2	20
25	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> , <b>2012</b> , 354, 2921-2927	5.6	24
24	Polymorphic Ammonium Salts of the Antibiotic 4-Aminosalicylic Acid. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 3082-3090	3.5	18
23	Revisiting paracetamol in a quest for new co-crystals. <i>CrystEngComm</i> , <b>2012</b> , 14, 5005	3.3	21
22	Novel 1-hydroxypiperazine-2,6-diones as new leads in the inhibition of metalloproteinases. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 8289-98	8.3	13
21	On the Track of New Multicomponent Gabapentin Crystal Forms: Synthon Competition and pH Stability. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 2325-2334	3.5	41
20	Novel Challenges in Crystal Engineering: Polymorphs and New Crystal Forms of Active Pharmaceutical Ingredients <b>2011</b> ,		2
19	Structural and thermal properties of three cyano-substituted azoderivatives of $\beta$ -diketones. <i>Journal of Molecular Structure</i> , <b>2011</b> , 992, 72-76	3.4	10
18	Mechanosynthesis of the Metallodrug Bismuth Subsalicylate from Bi <sub>2</sub> O <sub>3</sub> and Structure of Bismuth Salicylate without Auxiliary Organic Ligands. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8004-8007	3.6	21
17	Mechanosynthesis of the metallodrug bismuth subsalicylate from Bi <sub>2</sub> O <sub>3</sub> and structure of bismuth salicylate without auxiliary organic ligands. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7858-61	16.4	97
16	First Crystal Structures of the Antihypertensive Drug Perindopril Erbumine: A Novel Hydrated Form and Polymorphs $\beta$ and $\gamma$ . <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 3703-3706	3.5	7
15	Zn/Ni sulfide selective precipitation: The role of supersaturation. <i>Separation and Purification Technology</i> , <b>2010</b> , 74, 108-118	8.3	39
14	Characterization of two DLC coatings for joint prosthesis: The role of albumin on the tribological behavior. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 3451-3458	4.4	23
13	Water as the reaction medium for multicomponent reactions based on boronic acids. <i>Tetrahedron</i> , <b>2010</b> , 66, 2736-2745	2.4	76
12	An ester derivative of the drug gabapentin: pH dependent crystal stability. <i>Journal of Molecular Structure</i> , <b>2010</b> , 973, 173-179	3.4	5
11	New dirhodium complex with activity towards colorectal cancer. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3413-5	2.9	20
10	Selective arylation of aldehydes with di-rhodium(II)/NHC catalysts. <i>Tetrahedron</i> , <b>2010</b> , 66, 8494-8502	2.4	29

- 9 Drug-containing coordination and hydrogen bonding networks obtained mechanochemically. *CrystEngComm*, **2009**, 11, 2618 3.3 53
- 8 Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. *Crystal Growth and Design*, **2009**, 9, 5108-5116 3.5 52
- 7 Axial coordination of NHC ligands on dirhodium(II) complexes: generation of a new family of catalysts. *Journal of Organic Chemistry*, **2008**, 73, 4076-86 4.2 85
- 6 Tetra- $\mu$ -acetato-bis[[1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene]rhodium(II)](Rh-Rh) tetrahydrofuran tetrasolvate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2008**, 64, m345-8 6
- 5 Polymorphic gabapentin: thermal behaviour, reactivity and interconversion of forms in solution and solid-state. *New Journal of Chemistry*, **2008**, 32, 1788 3.6 41
- 4 Tuning the reactivity of dirhodium(II) complexes with axial N-heterocyclic carbene ligands: the arylation of aldehydes. *Angewandte Chemie - International Edition*, **2007**, 46, 5750-3 16.4 101
- 3 Tuning the Reactivity of Dirhodium(II) Complexes with Axial N-Heterocyclic Carbene Ligands: The Arylation of Aldehydes. *Angewandte Chemie*, **2007**, 119, 5852-5855 3.6 25
- 2 A new conformer of 1,4,7-tris(p-tolylsulfonyl)-1,4,7-triazacyclononane. *Acta Crystallographica Section C: Crystal Structure Communications*, **2007**, 63, o594-6 1
- 1 Mechanochemistry: A Tool in the Synthesis of Catalysts, Metallodrugs, and Metallopharmaceuticals 493-499