

Inigo J Vitorica Yrezabal

List of Publications by Year in descending order

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docs citations

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times ranked

4945
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroallene Capture and Exchange at Functionalised Heptaphosphane Clusters. Chemistry - A European Journal, 2022, 28, e202103737.	1.7	4
2	A fluorinated 2D magnetic coordination polymer. Dalton Transactions, 2022, 51, 1861-1865.	1.6	1
3	Multivariate sodalite zeolitic imidazolate frameworks: a direct solvent-free synthesis. Chemical Science, 2022, 13, 842-847.	3.7	13
4	Studies of the Temperature Dependence of the Structure and Magnetism of a Hexagonal-Bipyramidal Dysprosium(III) Single-Molecule Magnet. Inorganic Chemistry, 2022, 61, 227-235.	1.9	13
5	Semiconductor Porous Hydrogen-Bonded Organic Frameworks Based on Tetrathiafulvalene Derivatives. Journal of the American Chemical Society, 2022, 144, 9074-9082.	6.6	26
6	Investigating the Effect of Steric Hindrance within CdS Single-Source Precursors on the Material Properties of AACVD and Spin-Coat-Deposited CdS Thin Films. Inorganic Chemistry, 2022, 61, 8206-8216.	1.9	6
7	Structural Investigation of Magnesium Complexes Supported by a Thiopyridyl Scorpionate Ligand. Molecules, 2022, 27, 4564.	1.7	0
8	Enhanced proton conductivity in a flexible metal-organic framework promoted by single-crystal-to-single-crystal transformation. Chemical Communications, 2021, 57, 65-68.	2.2	14
9	Effects of turn-structure on folding and entanglement in artificial molecular overhand knots. Chemical Science, 2021, 12, 1826-1833.	3.7	12
10	Gold ($\langle\text{scp}\rangle$) bridged dimeric and trimeric heterometallic $\{\text{Cr}_{7}\text{Ni}\}$ -based qubit systems and their characterization. Dalton Transactions, 2021, 50, 4390-4395.	1.6	2
11	Targeting molecular quantum memory with embedded error correction. Chemical Science, 2021, 12, 9104-9113.	3.7	19
12	Crystal structures and physicochemical studies of some novel divalent and trivalent transition metal chelates of N-morpholine-N'-benzoylthiourea. Journal of Molecular Structure, 2021, 1229, 129791.	1.8	8
13	Solid state structure of sodium $\hat{2}$ -1-thiophenyl glucuronate identifies 5-coordinate sodium with three independent glucuronates. Carbohydrate Research, 2021, 502, 108281.	1.1	2
14	An electric field cell for performing $\langle i \rangle$ in situ single-crystal synchrotron X-ray diffraction. Journal of Applied Crystallography, 2021, 54, 1349-1359.	1.9	3
15	A Chiral Cyclometalated Iridium Star of David [2]Catenane. Journal of the American Chemical Society, 2021, 143, 1154-1161.	6.6	28
16	Self-assembly of a trigonal bipyramidal architecture with stabilisation of iron in three spin states. Chemical Communications, 2021, 57, 11252-11255.	2.2	1
17	Structural Investigations of $\hat{\pm}$ -MnS Nanocrystals and Thin Films Synthesized from Manganese(II) Xanthates by Hot Injection, Solvent-Less Thermolysis, and Doctor Blade Routes. ACS Omega, 2021, 6, 27716-27725.	1.6	3
18	Chemical Design and Magnetic Ordering in Thin Layers of 2D Metal-Organic Frameworks (MOFs). Journal of the American Chemical Society, 2021, 143, 18502-18510.	6.6	22

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19	Functionalized Tris(anilido)triazacyclononanes as Hexadentate Ligands for the Encapsulation of U(III), U(IV) and La(III) Cations. <i>Inorganics</i> , 2021, 9, 86.	1.2	3
20	±-Amino-iso-Butyric Acid Foldamers Terminated with Rhodium(I) N-Heterocyclic Carbene Catalysts. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	3
21	Ag/Pd Cocatalyzed Direct Arylation of Fluoroarene Derivatives with Aryl Bromides. <i>ACS Catalysis</i> , 2020, 10, 2100-2107.	5.5	32
22	Synthesis and characterization of the mixed-ligand coordination polymer Cu ₃ Cl(N ₄ C-NO ₂) ₂ . <i>Dalton Transactions</i> , 2020, 49, 14975-14984.	1.6	3
23	Heterometallic 3d-4f Complexes as Air-Stable Molecular Precursors in Low Temperature Syntheses of Stoichiometric Rare-Earth Orthoferrite Powders. <i>Inorganic Chemistry</i> , 2020, 59, 15796-15806.	1.9	7
24	Single Ion Anisotropy of CrIII and FeIII in a Series of {Ti7M} Rings. <i>Applied Magnetic Resonance</i> , 2020, 51, 1251-1265.	0.6	2
25	Conformational Flexibility of Hybrid [3]- and [4]-Rotaxanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 15941-15949.	6.6	12
26	Switchable foldamer ion channels with antibacterial activity. <i>Chemical Science</i> , 2020, 11, 7023-7030.	3.7	34
27	Weak functional group interactions revealed through metal-free active template rotaxane synthesis. <i>Nature Communications</i> , 2020, 11, 744.	5.8	41
28	Single-Step Enantioselective Synthesis of Mechanically Planar Chiral [2]Rotaxanes Using a Chiral Leaving Group Strategy. <i>Journal of the American Chemical Society</i> , 2020, 142, 9803-9808.	6.6	58
29	Crystal structures of tolfenamic acid polymorphic forms I and II with precise hydrogen-atom positions for nuclear magnetic resonance studies. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1421-1426.	0.2	5
30	Back-bonding between an electron-poor, high-oxidation-state metal and poor π -acceptor ligand in a uranium(V)-dinitrogen complex. <i>Nature Chemistry</i> , 2019, 11, 806-811.	6.6	47
31	Accessing β -Ga ₂ S ₃ by solventless thermolysis of gallium xanthates: a low-temperature limit for crystalline products. <i>Dalton Transactions</i> , 2019, 48, 15605-15612.	1.6	8
32	Reversible uptake of sulfur-containing gases by single crystals of a Cr ₈ metallocrown. <i>Dalton Transactions</i> , 2019, 48, 13184-13189.	1.6	3
33	A [13]rotaxane assembled via a palladium molecular capsule. <i>Nature Communications</i> , 2019, 10, 3720.	5.8	19
34	Remote conformational responses to enantiomeric excess in carboxylate-binding dynamic foldamers. <i>Chemical Communications</i> , 2019, 55, 9331-9334.	2.2	14
35	Electronic, Structural and Functional Versatility in Tetrathiafulvalene-Lanthanide Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 12636-12643.	1.7	40
36	Novel semiconducting iron-quinizarin metal-organic framework for application in supercapacitors. <i>Molecular Physics</i> , 2019, 117, 3424-3433.	0.8	4

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37	Modulating proton diffusion and conductivity in metal-organic frameworks by incorporation of accessible free carboxylic acid groups. <i>Chemical Science</i> , 2019, 10, 1492-1499.	3.7	68
38	Host-guest selectivity in a series of isorecticular metal-organic frameworks: observation of acetylene-to-alkyne and carbon dioxide-to-amide interactions. <i>Chemical Science</i> , 2019, 10, 1098-1106.	3.7	47
39	Synthesis of iron sulfide thin films and powders from new xanthate precursors. <i>Journal of Crystal Growth</i> , 2019, 522, 175-182.	0.7	5
40	Catalytic Asymmetric C-H Arylation of (1,6-Arene)Chromium Complexes: Facile Access to Planar-Chiral Phosphines. <i>ACS Catalysis</i> , 2019, 9, 5268-5278.	5.5	37
41	Exploring the Coordination of Plutonium and Mixed Plutonyl-Uranyl Complexes of Imidodiphosphinates. <i>Inorganic Chemistry</i> , 2019, 58, 6904-6917.	1.9	3
42	Radical Truce-Smith reactions on an isoxazole template: Scope and limitations. <i>Tetrahedron</i> , 2019, 75, 2413-2430.	1.0	5
43	Influence of interpenetration on the flexibility of MUV-2 . <i>CrystEngComm</i> , 2019, 21, 3031-3035.	1.3	10
44	Coordination Chemistry of a Molecular Pentafoil Knot. <i>Journal of the American Chemical Society</i> , 2019, 141, 3952-3958.	6.6	43
45	Formation of an interlocked double-chain from an organic-inorganic [2]rotaxane. <i>Chemical Communications</i> , 2019, 55, 2960-2963.	2.2	6
46	Important Phase Control of Indium Sulfide Nanomaterials by Choice of Indium(III) Xanthate Precursor and Thermolysis Temperature. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1421-1432.	1.0	11
47	Chemical vapor deposition of tin sulfide from diorganotin(IV) dioxanthes. <i>Journal of Materials Science</i> , 2019, 54, 2315-2323.	1.7	24
48	Anisotropy of Co ^{II} transferred to the Cr ₇ Co polymetallic cluster <i>via</i> strong exchange interactions. <i>Chemical Science</i> , 2018, 9, 3555-3562.	3.7	20
49	Chromium chains as polydentate fluoride ligands for actinides and group IV metals. <i>Dalton Transactions</i> , 2018, 47, 6361-6369.	1.6	2
50	Salt metathesis routes to homoleptic near-linear Mg(<i>scp</i>) and Ca(<i>scp</i>) bulky bis(silyl)amide complexes. <i>Dalton Transactions</i> , 2018, 47, 12526-12533.	1.6	14
51	A highly stable and hierarchical tetrathiafulvalene-based metal-organic framework with improved performance as a solid catalyst. <i>Chemical Science</i> , 2018, 9, 2413-2418.	3.7	50
52	Spontaneous Assembly of Rotaxanes from a Primary Amine, Crown Ether and Electrophile. <i>Journal of the American Chemical Society</i> , 2018, 140, 6049-6052.	6.6	59
53	Molecular Trefoil Knot from a Trimeric Circular Helicate. <i>Journal of the American Chemical Society</i> , 2018, 140, 4982-4985.	6.6	51
54	On the phase control of CuInS ₂ nanoparticles from Cu-/In-xanthates. <i>Dalton Transactions</i> , 2018, 47, 5304-5309.	1.6	16

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55	The synthesis of a monodisperse quaternary ferrite (FeCoCrO ₄) from the hot injection thermolysis of the single source precursor [CrCoFeO(O ₂ C _t Bu) ₆ (HO ₂ C _t Bu) ₃]. Dalton Transactions, 2018, 47, 376-381.	1.6	10
56	Salts, Cocrystals, and Ionic Cocrystals of a Simple Tautomeric Compound. Crystal Growth and Design, 2018, 18, 6973-6983.	1.4	32
57	Binding of halogens by a Cr ₈ metallacrown. Dalton Transactions, 2018, 47, 13771-13775.	1.6	7
58	Stereoselective synthesis of a composite knot with nine crossings. Nature Chemistry, 2018, 10, 1083-1088.	6.6	114
59	A Six-Crossing Doubly Interlocked [2]Catenane with Twisted Rings, and a Molecular Granny Knot. Angewandte Chemie, 2018, 130, 14029-14033.	1.6	15
60	C-H Borylation/Cross-Coupling Forms Twisted Donor-Acceptor Compounds Exhibiting Donor-Dependent Delayed Emission. Chemistry - A European Journal, 2018, 24, 10521-10530.	1.7	4
61	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. Angewandte Chemie, 2018, 130, 11085-11088.	1.6	4
62	Cyclometallated ruthenium catalyst enables late-stage directed arylation of pharmaceuticals. Nature Chemistry, 2018, 10, 724-731.	6.6	124
63	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. Angewandte Chemie - International Edition, 2018, 57, 10919-10922.	7.2	21
64	Breathing-Dependent Redox Activity in a Tetrathiafulvalene-Based Metal-Organic Framework. Journal of the American Chemical Society, 2018, 140, 10562-10569.	6.6	62
65	Optically Active Vibrational Spectroscopy of \pm -Aminoisobutyric Acid Foldamers in Organic Solvents and Phospholipid Bilayers. Chemistry - A European Journal, 2018, 24, 9399-9408.	1.7	18
66	Synthesis of nanostructured powders and thin films of iron sulfide from molecular precursors. RSC Advances, 2018, 8, 29096-29103.	1.7	21
67	Isorecticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. Nature Chemistry, 2018, 10, 1001-1007.	6.6	94
68	A Six-Crossing Doubly Interlocked [2]Catenane with Twisted Rings, and a Molecular Granny Knot. Angewandte Chemie - International Edition, 2018, 57, 13833-13837.	7.2	35
69	Braiding a molecular knot with eight crossings. Science, 2017, 355, 159-162.	6.0	209
70	Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering. Nature Communications, 2017, 8, 14543.	5.8	48
71	Gas confinement in compartmentalized coordination polymers for highly selective sorption. Chemical Science, 2017, 8, 3109-3120.	3.7	15
72	Binding CO ₂ by a Cr ₈ Metallacrown. Angewandte Chemie - International Edition, 2017, 56, 5527-5530.	7.2	18

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73	Binding CO ₂ by a Cr ₈ Metallacrown. <i>Angewandte Chemie</i> , 2017, 129, 5619-5622.	1.6	4
74	Pyridyl-Acyl Hydrazone Rotaxanes and Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 2017, 139, 7104-7109.	6.6	64
75	Borylated Arylamine-Benzothiadiazole Donor-Acceptor Materials as Low-LUMO, Low-Band-Gap Chromophores. <i>Organometallics</i> , 2017, 36, 2597-2604.	1.1	25
76	Arene guest selectivity and pore flexibility in a metal-organic framework with semi-fluorinated channel walls. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160031.	1.6	5
77	A modular route to boron doped PAHs by combining borylative cyclisation and electrophilic C-H borylation. <i>Chemical Science</i> , 2017, 8, 7969-7977.	3.7	57
78	Confinement of Iodine Molecules into Triple-Helical Chains within Robust Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 16289-16296.	6.6	199
79	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie</i> , 2017, 129, 13817-13820.	1.6	5
80	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13629-13632.	7.2	25
81	Novel Xanthate Complexes for the Size-Controlled Synthesis of Copper Sulfide Nanorods. <i>Inorganic Chemistry</i> , 2017, 56, 9247-9254.	1.9	39
82	The Synthesis of Group 10 and 11 Metal Complexes of 3,6,9-Trithia-1,4,6-triazacyclodecaphane and Their Use in A ₃ -Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5252-5261.	1.2	12
83	Magnetic Exchange Interactions in the Molecular Nanomagnet $\langle \text{Mn} \rangle_{12}$ Physical Review Letters, 2017, 119, 217202.	2.9	34
84	[CrF(O ₂)(C ⁺ Bu) ₂] ₉ : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8856-8859.	7.2	26
85	[CrF(O ₂)(C ⁺ Bu) ₂] ₉ : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie</i> , 2016, 128, 9002-9005.	1.6	10
86	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , 2016, 7, 11377.	5.8	196
87	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr ₈ Mn. <i>Chemistry - A European Journal</i> , 2016, 22, 1779-1788.	1.7	27
88	Tying a Molecular Overhand Knot of Single Handedness and Asymmetric Catalysis with the Corresponding Pseudo-D ₃ -Symmetric Trefoil Knot. <i>Journal of the American Chemical Society</i> , 2016, 138, 13159-13162.	6.6	75
89	Inter- and intra-molecular C-H borylation for the formation of PAHs containing triarylborane and indole units. <i>Dalton Transactions</i> , 2016, 45, 17160-17167.	1.6	34
90	Highly Emissive Far Red/Near-IR Fluorophores Based on Borylated Fluorene-Benzothiadiazole Donor-Acceptor Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 12439-12448.	1.7	36

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91	Switchable Interaction in Molecular Double Qubits. <i>CheM</i> , 2016, 1, 727-752.	5.8	60
92	Arene Selectivity by a Flexible Coordination Polymer Host. <i>Chemistry - A European Journal</i> , 2016, 22, 13120-13126.	1.7	17
93	Allosteric initiation and regulation of catalysis with a molecular knot. <i>Science</i> , 2016, 352, 1555-1559.	6.0	204
94	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. <i>Nature Communications</i> , 2016, 7, 10240.	5.8	91
95	The carboboration of Me ₃ Si-substituted alkynes and allenes with boranes and borocations. <i>Dalton Transactions</i> , 2016, 45, 6060-6070.	1.6	25
96	Salt metathesis versus protonolysis routes for the synthesis of silylamide Hauser base (R ₂ NMgX; X =) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.6	16
97	InnenÄ¼cktitelbild: A Solomon Link through an Interwoven Molecular Grid (<i>Angew. Chem.</i> 26/2015). <i>Angewandte Chemie</i> , 2015, 127, 7829-7829.	1.6	0
98	Coordination Polymer Flexibility Leads to Polymorphism and Enables a Crystalline Solidâ€“Vapour Reaction: A Multiâ€“technique Mechanistic Study. <i>Chemistry - A European Journal</i> , 2015, 21, 8799-8811.	1.7	25
99	A Solomon Link through an Interwoven Molecular Grid. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7555-7559.	7.2	89
100	Uptake and release of small molecules by flexible 1D coordination polymers that exhibit latent nanoporosity. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s132-s132.	0.0	0
101	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , 2015, 137, 7644-7647.	6.6	41
102	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. <i>Inorganic Chemistry</i> , 2015, 54, 12019-12026.	1.9	16
103	Coherent Spin Dynamics in Molecular Cr₈/sub>Zn Wheels. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5062-5066.	2.1	23
104	Homoleptic Trigonal Planar Lanthanide Complexes Stabilized by Superbulky Silylamide Ligands. <i>Organometallics</i> , 2015, 34, 2314-2325.	1.1	45
105	Lanthanide Template Synthesis of Trefoil Knots of Single Handedness. <i>Journal of the American Chemical Society</i> , 2015, 137, 10437-10442.	6.6	81
106	Effects of the Dzyaloshinskiiâ€“Moriya interaction in Cr₃/sub> triangular spin clusters detected by specific heat and multi-frequency electron spin resonance. <i>Dalton Transactions</i> , 2015, 44, 14027-14033.	1.6	10
107	Expanding the Scope of Molecular Mixed Crystals Enabled by Three Component Solid Solutions. <i>Crystal Growth and Design</i> , 2015, 15, 4098-4103.	1.4	53
108	Enhancing electron affinity and tuning band gap in donorâ€“acceptor organic semiconductors by benzothiadiazole directed Câ€“H borylation. <i>Chemical Science</i> , 2015, 6, 5144-5151.	3.7	134

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109	1,1/1,2 Isomerisation in Lewis base adducts of B ₂ cat ₂ . Dalton Transactions, 2015, 44, 7506-7511.	1.6	20
110	Crystal structure of diethyl 3,3- $\{2,2\text{-}(1E)\text{-}[1,4\text{-phenylenebis(azan-1-yl-1-ylidene)]bis(methan-1-yl-1-ylidene)bis(1H-pyrrole-2,1-diyl)}\}$ dipropionate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o259-o260.	0.2	2
111	Crystal structure of diethyl 2,2- $\{[(1E,1\text{-}E)\text{-}[(1R,4R)\text{-cyclohexane-1,4-diyl}]\text{bis(azanylylidene)}]\text{bis(methanylylidene)}\}\text{bis(1H-pyrrole-2,1-diyl)}\}$ diacetate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o165-o166.	0.2	0
112	Solvent-vapour-assisted pathways and the role of pre-organization in solid-state transformations of coordination polymers. IUCr, 2015, 2, 188-197.	1.0	10
113	Quantum spin coherence in halogen-modified $\text{Cr}^{\text{III}}\{\text{N}(\text{SiMe}_2\text{tBu})_2\}_3$ molecular nanomagnets. Physical Review B, 2014, 90, ..	1.1	29
114	A Simple and Highly Effective Ligand System for the Copper(I)-Mediated Assembly of Rotaxanes. Angewandte Chemie - International Edition, 2014, 53, 13771-13774.	7.2	28
115	Linking Cr ₃ triangles through phosphonates and lanthanides: synthetic, structural, magnetic and EPR studies. Dalton Transactions, 2014, 43, 13242-13249.	1.6	16
116	Crystallographic studies of gas sorption in metal-organic frameworks. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 404-422.	0.5	79
117	$[\text{U}^{\text{III}}\{\text{N}(\text{SiMe}_2\text{tBu})_2\}_3]$: A Structurally Authenticated Trigonal Planar Actinide Complex. Chemistry - A European Journal, 2014, 20, 14579-14583.	1.7	39
118	Molecular trapping by flexible coordination polymers with latent porosity. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C908-C908.	0.0	0
119	Chemical transformations of a crystalline coordination polymer: a multi-stage solid-vapour reaction manifold. Chemical Science, 2013, 4, 696-708.	3.7	35
120	Spin-Crossover Modification through Selective CO ₂ Sorption. Journal of the American Chemical Society, 2013, 135, 15986-15989.	6.6	129
121	Flexibility and chemical transformations in network and framework materials. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s156-s156.	0.3	0
122	Synthesis and polymorphism of (4-ClpyH) ₂ [CuCl ₄]: solid-gas and solid-solid reactions. CrystEngComm, 2011, 13, 3189-3196.	1.3	38