

Ivana Radosavljevic Evans

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2550470/publications.pdf>

Version: 2024-02-01

113
papers

2,995
citations

172207

29
h-index

197535

49
g-index

125
all docs

125
docs citations

125
times ranked

3297
citing authors

#	ARTICLE	IF	CITATIONS
1	The T _{OPAS} symbolic computation system. Powder Diffraction, 2011, 26, S22-S25.	0.4	240
2	The Crystal Structure of $\text{La}_2\text{Mo}_2\text{O}_9$ and the Structural Origin of the Oxide Ion Migration Pathway. Chemistry of Materials, 2005, 17, 4074-4077.	3.2	143
3	Synthesis and Structure of Pyrochlore-Type Bismuth Titanate. Journal of Solid State Chemistry, 1998, 136, 63-66.	1.4	115
4	Systematic and Controllable Negative, Zero, and Positive Thermal Expansion in Cubic $\text{Zr}_x\text{Sn}_x\text{Mo}_2\text{O}_8$. Journal of the American Chemical Society, 2013, 135, 12849-12856.	6.6	99
5	Modular nanometer-scale structuring of gel fibres by sequential self-organization. Chemical Communications, 2005, , 5423.	2.2	80
6	4,4-Diphenyl-2,5-cyclohexadienone: Four Polymorphs and Nineteen Crystallographically Independent Molecular Conformations. Angewandte Chemie - International Edition, 2002, 41, 3848-3851.	7.2	79
7	Anion binding by Ag(I) complexes of urea-substituted pyridyl ligands. New Journal of Chemistry, 2005, 29, 90.	1.4	76
8	Zinc Glycolate: A Precursor to ZnO. Inorganic Chemistry, 2009, 48, 3508-3510.	1.9	72
9	The R ₂₁₍₆₎ hydrogen-bonded synthon in neutral urea and metal-bound halide systems. CrystEngComm, 2004, 6, 633.	1.3	70
10	A study of the thermal and light induced spin transition in $[\text{FeL}_2](\text{BF}_4)_2$ and $[\text{FeL}_2](\text{ClO}_4)_2$ (L = 2,6-di(3-methylpyrazol-1-yl)pyrazine). Dalton Transactions, 2004, , 65-69.	1.6	67
11	Structural Study of Polymorphs and Solvates of Finasteride. Journal of Pharmaceutical Sciences, 2007, 96, 1380-1397.	1.6	65
12	Synthesis and Structure of BiCa_2VO_6 . Journal of Solid State Chemistry, 1998, 137, 143-147.	1.4	64
13	Light induced excited high spin-state trapping in $[\text{FeL}_2](\text{BF}_4)_2$ (L = 2,6-di(pyrazol-1-yl)pyridine). Chemical Communications, 2003, , 158-159.	2.2	64
14	$\text{Bi}_2\text{Sn}_2\text{O}_7$ a 176 atom crystal structure from powder diffraction data. Journal of Materials Chemistry, 2003, 13, 2098-2103.	6.7	62
15	Remarkably High Oxide Ion Conductivity at Low Temperature in an Ordered Fluorite-Type Superstructure. Angewandte Chemie - International Edition, 2012, 51, 690-694.	7.2	62
16	A facile nonaqueous route for fabricating titania nanorods and their viability in quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 4425.	6.7	55
17	The spin-states and spin-crossover behaviour of iron(II) complexes of 2,6-dipyrazol-1-ylpyrazine derivatives. Dalton Transactions, 2003, , 2053-2060.	1.6	48
18	Synthesis and Structure of Bismuth Copper Vanadate, BiCu_2VO_6 . Journal of Solid State Chemistry, 1998, 141, 149-154.	1.4	45

#	ARTICLE	IF	CITATIONS
19	Furosemide Cocrystals: Structures, Hydrogen Bonding, and Implications for Properties. <i>Crystal Growth and Design</i> , 2014, 14, 783-791.	1.4	45
20	Variable temperature in situ X-ray diffraction study of mechanically activated synthesis of calcium titanate, CaTiO ₃ . <i>Materials Research Bulletin</i> , 2003, 38, 1203-1213.	2.7	43
21	An Exhaustive Symmetry Approach to Structure Determination: Phase Transitions in Bi ₂ Sn ₂ O ₇ . <i>Journal of the American Chemical Society</i> , 2016, 138, 8031-8042.	6.6	40
22	A furosemide-isonicotinamide cocrystal: an investigation of properties and extensive structural disorder. <i>CrystEngComm</i> , 2015, 17, 6707-6715.	1.3	38
23	On Sr ^{1-x} Na ^x SiO ₃ ~0.5 New Superior Fast Ion Conductors. <i>Chemistry of Materials</i> , 2014, 26, 5187-5189.	3.2	37
24	New Apatite-Type Oxide Ion Conductor, Bi ₂ La ₈ [(GeO ₄) ₆]O ₃ : Structure, Properties, and Direct Imaging of Low-Level Interstitial Oxygen Atoms Using Aberration-Corrected Scanning Transmission Electron Microscopy. <i>Advanced Functional Materials</i> , 2017, 27, 1605625.	7.8	37
25	Simultaneous anion and cation binding by a simple polymer-bound ureidopyridyl ligand. <i>Chemical Communications</i> , 2006, , 269-271.	2.2	35
26	Polymorphism and Oxide Ion Migration Pathways in Fluorite-Type Bismuth Vanadate, Bi ₄₆ V ₈ O ₈₉ . <i>Chemistry of Materials</i> , 2012, 24, 2162-2167.	3.2	33
27	Transition metal complexes with pyrazole based ligands, part 18: new binuclear Cu(I), Cu(II) and Co(II) complexes with 3,5-dimethyl-1-thiocarboxamide pyrazole: synthesis, structural and magnetic studies. <i>Inorganica Chimica Acta</i> , 2004, 357, 4528-4536.	1.2	31
28	Structural Ferroelectric Phase Transition and Polymorphism in 2-Aminopyridine Dihydrogen Phosphate. <i>Crystal Growth and Design</i> , 2008, 8, 1635-1639.	1.4	30
29	Local Structure, Dynamics, and the Mechanisms of Oxide Ionic Conduction in Bi ₂₆ Mo ₁₀ O ₆₉ . <i>Chemistry of Materials</i> , 2012, 24, 4607-4614.	3.2	30
30	Variable Temperature X-Ray Diffraction Study of Bismuth Magnesium Vanadate, BiMg ₂ VO ₆ . <i>Journal of Solid State Chemistry</i> , 2000, 149, 143-148.	1.4	29
31	Archaeometric study of medieval pottery excavated at Stari (Old) Ras, Serbia. <i>Journal of Archaeological Science</i> , 2011, 38, 818-828.	1.2	29
32	From fluorite to pyrochlore: Characterisation of local and average structure of neodymium zirconate, Nd ₂ Zr ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 2013, 205, 29-34.	1.4	29
33	Structure and physicochemical characterization of a naproxen-picolinamide cocrystal. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 168-175.	0.2	28
34	Cation Distributions and Anion Disorder in Ba ₃ NbM _{0.5} O _{8.5} (M = Tj ETQq0 0.0,rgBT /Overlock 10	3.2	28
35	Variable Temperature Studies of a Polymorphic System Comprising Two Pairs of Enantiotropically Related Forms: [S,S]-Ethambutol Dihydrochloride. <i>Crystal Growth and Design</i> , 2004, 4, 431-439.	1.4	27
36	Oxide Ion Conductivity, Phase Transitions, and Phase Separation in Fluorite-Based Bi ₃₈ Mo ₇₊ O _{78+1.5} . <i>Chemistry of Materials</i> , 2010, 22, 4484-4494.	3.2	27

#	ARTICLE	IF	CITATIONS
37	Narrow-band red phosphors of high colour purity based on Eu ³⁺ -activated apatite-type Gd _{9.33} (SiO ₄) ₆ O ₂ . Journal of Materials Chemistry C, 2021, 9, 7474-7484.	2.7	27
38	Structural, spectroscopic and computational studies of the HgL ₂ Cl ₂ complex (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (3,5-dimethyl-2-pyridylidene)pyridine. Journal of Materials Chemistry C, 2005, 29, 833.	1.4	26
39	Synthesis and structure of two new bismuth cadmium vanadates, BiCdVO ₅ and BiCd ₂ VO ₆ , and structures of BiCa ₂ AsO ₆ and BiMg ₂ PO ₆ . Solid State Sciences, 2000, 2, 543-550.	0.8	25
40	Synthesis and structure of bismuth copper arsenate, BiCu ₂ AsO ₆ . Journal of Alloys and Compounds, 1999, 284, 99-103.	2.8	24
41	Beyond classical applications of powder diffraction. Chemical Society Reviews, 2004, 33, 539.	18.7	24
42	Anion-binding mode in a sulfanylphenyl urea complex: solid state symmetry breaking and solution chelation. CrystEngComm, 2006, 8, 119.	1.3	24
43	An X-ray powder diffraction study of the spin-crossover transition and structure of bis(2,6-dipyrazol-1-yl)pyrazine)iron(II) perchlorate. Acta Crystallographica Section B: Structural Science, 2004, 60, 41-45.	1.8	23
44	Direct Observation of Oxide Ion Dynamics in La ₂ Mo ₂ O ₉ on the Nanosecond Timescale. Chemistry of Materials, 2017, 29, 3020-3028.	3.2	23
45	Complex Superstructures of Mo ₂ P ₄ O ₁₅ . Inorganic Chemistry, 2009, 48, 9271-9281.	1.9	22
46	Bismuth zinc vanadate, BiZn ₂ VO ₆ : New crystal structure type and electronic structure. Journal of Solid State Chemistry, 2015, 222, 12-17.	1.4	22
47	Single-phase white-emitting phosphors based on apatite-type gadolinium silicate, Gd _{9.33} (SiO ₄) ₆ O ₂ doped with Dy ³⁺ , Eu ³⁺ and Tb ³⁺ . Journal of Materials Chemistry C, 2019, 7, 7779-7787.	2.7	22
48	Supercolossal Uniaxial Negative Thermal Expansion in Chloranilic Acid Pyrazine, CA-Pyz. Chemistry of Materials, 2019, 31, 4514-4523.	3.2	22
49	Hexagonal perovskite related oxide ion conductor Ba ₃ NbMoO _{8.5} : phase transition, temperature evolution of the local structure and properties. Journal of Materials Chemistry A, 2019, 7, 25503-25510.	5.2	22
50	Dual-emission luminescence thermometry using LaGaO ₃ :Cr ³⁺ , Nd ³⁺ phosphors. Journal of Materials Chemistry C, 2022, 10, 10396-10403.	2.7	22
51	Na ⁺ mobility in sodium strontium silicate fast ion conductors. Chemical Communications, 2015, 51, 17163-17165.	2.2	21
52	Structure Analysis from Powder Diffraction Data: Rietveld Refinement in Excel. Journal of Chemical Education, 2021, 98, 495-505.	1.1	21
53	Exploring the nature of the fergusonite-scheelite phase transition and ionic conductivity enhancement by Mo ⁶⁺ doping in LaNbO ₄ . Journal of Materials Chemistry A, 2021, 9, 4091-4102.	5.2	20
54	Variable temperature structural study of bismuth lead vanadate, BiPb ₂ VO ₆ . Journal of Materials Chemistry, 2002, 12, 2648-2652.	6.7	19

#	ARTICLE	IF	CITATIONS
55	Mo ₂ P ₄ O ₁₅ ? the most complex oxide structure solved by single crystal methods?. Chemical Communications, 2004, , 2540.	2.2	19
56	Giant Deuteron Migration During the Isosymmetric Phase Transition in Deuterated 3,5- π Pyridinedicarboxylic Acid. Chemistry - A European Journal, 2011, 17, 14942-14951.	1.7	18
57	Oxide Ion and Proton Conductivity in Highly Oxygen-Deficient Cubic Perovskite SrSc _{0.3} Zn _{0.2} Ga _{0.5} O _{2.4} . Chemistry of Materials, 2020, 32, 4347-4357.	3.2	18
58	Oxide Ion and Proton Conductivity in a Family of Highly Oxygen-Deficient Perovskite Derivatives. Journal of the American Chemical Society, 2022, 144, 615-624.	6.6	18
59	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based Bi ₈ La ₁₀ O ₂₇ . Chemistry of Materials, 2009, 21, 4661-4668.	3.2	17
60	New ruthenium(II) complexes with N-alkylphenothiazines: Synthesis, structure, in vivo activity as free radical scavengers and in vitro cytotoxicity. European Journal of Medicinal Chemistry, 2010, 45, 3669-3676.	2.6	17
61	Dynamics in Bi(III)-containing apatite-type oxide ion conductors: a combined computational and experimental study. Journal of Materials Chemistry A, 2018, 6, 5129-5135.	5.2	17
62	Insight into Design of Improved Oxide Ion Conductors: Dynamics and Conduction Mechanisms in the Bi _{0.913} V _{0.087} O _{1.587} Solid Electrolyte. Journal of the American Chemical Society, 2019, 141, 9989-9997.	6.6	17
63	Synthesis, characterization and crystal structure of a novel Ni(II) complex, Ni(L-H) ₂ (L = 3,5-dimethyl-1-thiocarboxamidopyrazole). Journal of Coordination Chemistry, 2004, 57, 469-476.	0.8	16
64	Brownmillerite-Type Sr ₂ ScGaO ₅ Oxide Ion Conductor: Local Structure, Phase Transition, and Dynamics. Chemistry of Materials, 2019, 31, 7395-7404.	3.2	16
65	Variable-Temperature Multinuclear Solid-State NMR Study of Oxide Ion Dynamics in Fluorite-Type Bismuth Vanadate and Phosphate Solid Electrolytes. Chemistry of Materials, 2019, 31, 1704-1714.	3.2	16
66	Synthesis, structural and spectroscopic characterization, in vitro cytotoxicity and in vivo activity as free radical scavengers of chlorido(p-cymene) complexes of ruthenium(II) containing N-alkylphenothiazines. European Journal of Medicinal Chemistry, 2011, 46, 4168-4177.	2.6	15
67	Understanding the Behavior of the Above-Room-Temperature Molecular Ferroelectric 5,6-Dichloro-2-methylbenzimidazole Using Symmetry Adapted Distortion Mode Analysis. Journal of the American Chemical Society, 2018, 140, 13441-13448.	6.6	15
68	Synthesis and structure of Bi ₃ Ca ₉ V ₁₁ O ₄₁ . Journal of Materials Chemistry, 2000, 10, 2091-2095.	6.7	14
69	Infinitely Adaptive Transition Metal Oxychalcogenides: The Modulated Structures of Ce ₂ O ₂ MnSe ₂ and (Ce _{0.78} La _{0.22}) ₂ O ₂ MnSe ₂ . Chemistry of Materials, 2015, 27, 3121-3134.	3.2	14
70	An investigation of the Nd ₂ O ₃ -MoO ₃ phase system: Thermal decomposition of Nd ₂ Mo ₄ O ₁₅ and formation of Nd ₆ Mo ₁₀ O ₃₉ . Journal of Solid State Chemistry, 2006, 179, 1918-1923.	1.4	11
71	Structure and dynamics studies of the short strong hydrogen bond in the 3,5-dinitrobenzoic acid-nicotinic acid molecular complex. CrystEngComm, 2013, 15, 7576.	1.3	11
72	Synthesis and characterisation of new Bi(III)-containing apatite-type oxide ion conductors: the influence of lone pairs. Dalton Transactions, 2017, 46, 12494-12499.	1.6	11

#	ARTICLE	IF	CITATIONS
73	Understanding the Correlation between Oxide Ion Mobility and Site Distributions in Ba ₃ NbWO _{8.5} . <i>Inorganic Chemistry</i> , 2020, 59, 14245-14250.	1.9	11
74	Polymorph exploration of bismuth stannate using first-principles phonon mode mapping. <i>Chemical Science</i> , 2020, 11, 7904-7909.	3.7	11
75	[R,S]-Thambutol Dihydrochloride: Variable-Temperature Studies of a Dimorphic System with Very Similar Packing. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2810-2819.	1.6	10
76	Phase transition, thermal expansion and electrical properties of BiCu ₂ VO ₆ . <i>Journal of Solid State Chemistry</i> , 2005, 178, 2927-2933.	1.4	10
77	Four New Dysprosium and Neodymium Octamolybdate Hydrates: Assembly of RE ₂ (Mo ₈ O ₂₇) Sheets and Topotactic Transformations. <i>Inorganic Chemistry</i> , 2010, 49, 6005-6012.	1.9	10
78	Structure determination from powder diffraction data: past, present and future challenges. <i>Crystal Research and Technology</i> , 2015, 50, 747-758.	0.6	10
79	Bi ¹⁺ Nb O _{1.5+} (x=0.0625, 0.12) fast ion conductors: Structures, stability and oxide ion migration pathways. <i>Journal of Solid State Chemistry</i> , 2015, 225, 383-390.	1.4	10
80	Polymorphism and hydrogen bonding in cinchomeric acid: a variable temperature experimental and computational study. <i>CrystEngComm</i> , 2008, 10, 1404.	1.3	9
81	Ab initio structure determination of BiPb ₂ VO ₆ from powder diffraction data. <i>Chemical Communications</i> , 2001, , 1984-1985.	2.2	8
82	Structural characterization of RE ₁₀ W ₂₂ O ₈₁ rare-earth tungstates (RE = Ce, Nd). <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 708-712.	1.8	8
83	Nicosamide methanol solvate and nicosamide hydrate: structure, solvent inclusion mode and implications for properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 758-763.	0.2	8
84	Average and Local Structure of Apatite-Type Germanates and Implications for Oxide Ion Conductivity. <i>Inorganic Chemistry</i> , 2019, 58, 14853-14862.	1.9	8
85	High-Temperature Transmission Electron Microscopy and X-Ray Powder Diffraction Studies of Polymorphic Phase Transitions in Ba ₄ Nb ₂ O ₉ . <i>Journal of the American Ceramic Society</i> , 2009, 92, 1806-1812.	1.9	7
86	The mechanism of oxide ion conductivity in bismuth rhenium oxide, Bi ₂₈ Re ₂ O ₄₉ . <i>Solid State Ionics</i> , 2013, 244, 35-39.	1.3	7
87	Synthesis, Crystal Structure, and Oxide Ion Conductivity in Bi _{4.6} Ca _{1.1} VO _{10.5} . <i>Chemistry of Materials</i> , 2002, 14, 3700-3704.	3.2	6
88	Structural chemistry of (PPh ₄) ₂ M(WS ₄) ₂ materials. <i>Dalton Transactions</i> , 2008, , 1597.	1.6	6
89	Location and orientation of lone pairs in apatite-type materials: a computational study. <i>Dalton Transactions</i> , 2017, 46, 15996-15999.	1.6	6
90	Stability and range of the type II Bi ¹⁺ x W x O _{1.5+1.5x} solid solution. <i>Solid State Ionics</i> , 2017, 308, 173-180.	1.3	6

#	ARTICLE	IF	CITATIONS
91	Archaeometric study of 17th/18th century painted pottery from the Belgrade Fortress. <i>Journal of Cultural Heritage</i> , 2018, 32, 9-21.	1.5	6
92	Functional Organic Materials for Optoelectronic Applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6492-6492.	2.7	6
93	Synthesis and crystal structure of BiCd ₂ AsO ₆ . <i>Solid State Sciences</i> , 2005, 7, 299-302.	1.5	5
94	Comment on new oxide ion conductors La ₃ MMo ₂ O ₁₂ (M = In, Ga, Al). <i>Solid State Ionics</i> , 2008, 178, 1660-1662.	1.3	5
95	Oxide Ion Conductivity, Proton Conductivity, and Phase Transitions in Perovskite-Derived Ba _{3-x} Sr _x YGa ₂ O _{7.5} O ₃ . <i>Chemistry of Materials</i> , 2022, 34, 3185-3196.	3.2	5
96	Di- ¹ / ₄ -chloro-bis{chloro[3,5-dimethyl-1-(thiocarbamoyl)pyrazole- ¹ / ₂ N ₂ S]cadmium(II)}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m641-m643.	0.2	4
97	Isogentisin (1,3-dihydroxy-7-methoxyxanthone). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1557-o1559.	0.2	3
98	Measurement of Proton Tunneling in Short Hydrogen Bonds in Single Crystals of 3,5-Pyridinedicarboxylic Acid Using Nuclear Magnetic Resonance Spectroscopy. <i>Physical Review Letters</i> , 2014, 113, 018301.	2.9	3
99	Transition metal complexes with pyrazole-based ligands. XIX. Diaquabis(3,5-dimethyl-1H-pyrazole-1-carboxamidine- ¹ / ₂ N ₂ N ₂)metal(II) dinitrate, with metal = Co and Ni. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m467-m470.	0.4	2
100	1-(Hydroxymethyl)-3,5-dimethylpyrazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o625-o626.	0.2	2
101	Evidence of continuous pottery production during the late Byzantine period in the Studenica Monastery, a UNESCO World Heritage Site. <i>Microchemical Journal</i> , 2019, 146, 557-567.	2.3	2
102	Resolving alternative structure determinations of indapamide using ¹³ C solid-state NMR. <i>Chemical Communications</i> , 2022, 58, 4767-4770.	2.2	2
103	Double-deconvolution method for the separation of thermalised emissions from chromium-doped lanthanum gallate and its potential in luminescence-based thermometry. <i>Journal of Luminescence</i> , 2022, 246, 118847.	1.5	2
104	Defects and disorder in apatite-type silicate oxide ion conductors: implications for conductivity. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14576-14584.	5.2	2
105	Lithium potassium tungstate monohydrate, LiKWO ₄ ·H ₂ O. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, i26-i28.	0.2	1
106	The Crystal Structure of ¹ / ₂ -La ₂ Mo ₂ O ₉ and the Structural Origin of the Oxide Ion Migration Pathway. <i>ChemInform</i> , 2005, 36, no.	0.1	1
107			

#	ARTICLE	IF	CITATIONS
109	Beyond Classical Application of Powder Diffraction.. ChemInform, 2005, 36, no.	0.1	0
110	Mo ₂ P ₄ O ₁₅ ? The Most Complex Oxide Structure Solved by Single Crystal Methods?. ChemInform, 2005, 36, no.	0.1	0
111	Synthesis and Crystal Structure of BiCd ₂ AsO ₆ .. ChemInform, 2005, 36, no.	0.1	0
112	Expanded Chemistry and Proton Conductivity in Vanadium-Substituted Variants of $\hat{\text{I}}^3$ -Ba ₄ Nb ₂ O ₉ . Chemistry of Materials, 2021, 33, 7475-7483.	3.2	0
113	Chapter 3 Structural Characterisation of Oxide Ion Conductors. , 2016, , 75-90.		0