

Stevin S Pramana

List of Publications by Year in descending order

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80
papers

3,878
citations

117453

34
h-index

123241

61
g-index

84
all docs

84
docs citations

84
times ranked

6542
citing authors

#	ARTICLE	IF	CITATIONS
1	Masks for COVID-19. <i>Advanced Science</i> , 2022, 9, e2102189.	5.6	89
2	Fabrication and characterisation of single-phase Hf ₂ Al ₄ C ₅ ceramics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1292-1301.	2.8	6
3	Highly transparent liquid marble in liquid (HT-LMIL) as 3D miniaturized reactor for real-time bio-/chemical assays. <i>Chemical Engineering Journal</i> , 2022, 443, 136417.	6.6	6
4	Revisiting the thermal and chemical expansion and stability of La _{0.6} Sr _{0.4} FeO ₃ . <i>Journal of Solid State Chemistry</i> , 2021, 293, 121838.	1.4	7
5	Boosting the oxygen evolution activity in non-stoichiometric praseodymium ferrite-based perovskites by A site substitution for alkaline electrolyser anodes. <i>Sustainable Energy and Fuels</i> , 2021, 5, 154-165.	2.5	14
6	Long-Lived Liquid Marbles for Green Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2011198.	7.8	26
7	Liquid Marbles in Liquid. <i>Small</i> , 2020, 16, e2002802.	5.2	11
8	Evolution of Structure in the Incommensurate Modulated LaNb _{1-x} W _x O _{4+2x} (x = 0.04-0.16) Oxide Ion Conductors. <i>Chemistry of Materials</i> , 2020, 32, 2292-2303.		7
9	Room temperature structure and transport properties of the incommensurate modulated LaNb _{0.88} W _{0.12} O _{4.06} . <i>Dalton Transactions</i> , 2019, 48, 1633-1646.	1.6	10
10	Modification of the order of the magnetic phase transition in cobaltites without changing their crystal space group. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1080-1086.	2.8	14
11	Amorphous-cathode-route towards low temperature SOFC. <i>Sustainable Energy and Fuels</i> , 2018, 2, 862-875.	2.5	20
12	Crystal structure and surface characteristics of Sr-doped GdBaCo ₂ O ₆ double perovskites: oxygen evolution reaction and conductivity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5335-5345.	5.2	42
13	Characterisation of Intermetallic Phases in Fusion Welded Commercially Pure Titanium and Stainless Steel 304. <i>Metals</i> , 2018, 8, 863.	1.0	14
14	Understanding surface structure and chemistry of single crystal lanthanum aluminate. <i>Scientific Reports</i> , 2017, 7, 43721.	1.6	3
15	Elucidating the relationship between crystallo-chemistry and optical properties of CIGS nanocrystals. <i>Nanotechnology</i> , 2017, 28, 045708.	1.3	4
16	Surface Chemistry of La _{0.99} Sr _{0.01} NbO _{4-d} and Its Implication for Proton Conduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29633-29642.	4.0	6
17	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor CeNbO _{4.25} . <i>Journal of the American Chemical Society</i> , 2016, 138, 1273-1279.	6.6	34
18	Electrospun Single-Phase Na _{1.2} V ₃ O ₈ Materials with Tunable Morphologies as Cathodes for Rechargeable Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2015, 2, 837-846.	1.7	14

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19	Stability of $\text{NdBaCo}_{2-x}\text{Mn}_x\text{O}_{5+\delta}$ ($x = 0, 0.5$) layered perovskites under humid conditions investigated by high-temperature in situ neutron powder diffraction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15420-15431.	5.2	23
20	Effect of III/V ratio on the polarity of AlN and GaN layers grown in the metal rich growth regime on Si(111) by plasma assisted molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 065701.	0.8	9
21	Why Ni is absent from the surface of La_2NiO_4 ? <i>Journal of Materials Chemistry A</i> , 2015, 3, 23760-23767.	5.2	37
22	ZnS buffer layer for $\text{Cu}_2\text{ZnSn}(\text{SSe})_4$ monograin layer solar cell. <i>Solar Energy</i> , 2015, 111, 344-349.	2.9	84
23	A maskless synthesis of TiO_2 -nanofiber-based hierarchical structures for solid-state dye-sensitized solar cells with improved performance. <i>Nanoscale Research Letters</i> , 2014, 9, 14.	3.1	23
24	The role of tin oxide surface defects in determining nanonet FET response to humidity and photoexcitation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 940-945.	2.7	23
25	Hydrothermal Synthesis, Structure Investigation, and Oxide Ion Conductivity of Mixed Si/Ge-Based Apatite-Type Phases. <i>Inorganic Chemistry</i> , 2014, 53, 4803-4812.	1.9	14
26	Novel cobalt/nickel-tungsten-sulfide catalysts for electrocatalytic hydrogen generation from water. <i>Energy and Environmental Science</i> , 2013, 6, 2452.	15.6	182
27	High-surface-area, interconnected, nanofibrillar TiO_2 structures as photoanodes in dye-sensitized solar cells. <i>Scripta Materialia</i> , 2013, 68, 487-490.	2.6	18
28	Investigation of the conversion mechanism of nanosized CoF_2 . <i>Electrochimica Acta</i> , 2013, 107, 301-312.	2.6	57
29	Electrochemical Reactivity with Lithium of Spinel-type $\text{ZnFe}_2\text{Cr}_y\text{O}_4$ ($0 \leq y \leq 2$). <i>Journal of Physical Chemistry C</i> , 2013, 117, 24213-24223.	1.5	7
30	Ion-Induced Synthesis of Uniform Single-Crystalline Sulphide-Based Quaternary Alloy Hexagonal Nanorings for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2013, 25, 2567-2572.	11.1	45
31	Rapid fabrication of a novel Sn-Ge alloy: structure-property relationship and its enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14577.	5.2	47
32	Improved mechanical and thermomechanical properties of alumina substrate via iron doping. <i>Scripta Materialia</i> , 2013, 68, 869-872.	2.6	1
33	Fergusonite-type CeNbO_4 : Single crystal growth, symmetry revision and conductivity. <i>Journal of Solid State Chemistry</i> , 2013, 204, 291-297.	1.4	25
34	Synthesis of Cu_2SnSe_3 Nanocrystals for Solution Processable Photovoltaic Cells. <i>Inorganic Chemistry</i> , 2013, 52, 1722-1728.	1.9	51
35	Investigation of the role of anions in hydrotalcite for quasi-solid state dye-sensitized solar cells application. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4345.	5.2	29
36	Tuning the morphology of ZnMn_2O_4 lithium ion battery anodes by electrospinning and its effect on electrochemical performance. <i>RSC Advances</i> , 2013, 3, 2812.	1.7	70

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37	Assembling graphitic-carbon-nitride with cobalt-oxide-phosphate to construct an efficient hybrid photocatalyst for water splitting application. <i>Catalysis Science and Technology</i> , 2013, 3, 1694.	2.1	56
38	In situ photo-assisted deposition of MoS ₂ electrocatalyst onto zinc cadmium sulphide nanoparticle surfaces to construct an efficient photocatalyst for hydrogen generation. <i>Nanoscale</i> , 2013, 5, 1479.	2.8	133
39	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , 2013, 25, 1109-1120.	3.2	18
40	Low temperature synthesis of wurtzite zinc sulfide (ZnS) thin films by chemical spray pyrolysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6763.	1.3	60
41	Chemical welding of binary nanoparticles: room temperature sintering of CuSe and In ₂ S ₃ nanoparticles for solution-processed CuInS _x Se _{1-x} solar cells. <i>Chemical Communications</i> , 2013, 49, 5351.	2.2	15
42	Electrospun Zn _{1-x} Mn _x Fe ₂ O ₄ Nanofibers As Anodes for Lithium-Ion Batteries and the Impact of Mixed Transition Metallic Oxides on Battery Performance. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5461-5467.	4.0	65
43	Surfactant-Free Sub-2 nm Ultrathin Triangular Gold Nanoframes. <i>Small</i> , 2013, 9, 2880-2886.	5.2	66
44	Effect of TiO ₂ Mesoporous Layer and Surface Treatments in Determining Efficiencies in Antimony Sulfide-(Sb ₂ S ₃) Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2012, 159, B247-B250.	1.3	32
45	A multi-domain gem-grade Brazilian apatite. <i>American Mineralogist</i> , 2012, 97, 1574-1581.	0.9	9
46	Optical and Electrical Properties of Wurtzite Copper Indium Sulfide Nanoflakes. <i>Materials Express</i> , 2012, 2, 344-350.	0.2	11
47	Synthesis and characterisation of vanadium doped alkaline earth lanthanum germanate oxyapatite electrolyte. <i>Journal of Materials Chemistry</i> , 2012, 22, 2658-2669.	6.7	6
48	Ultra-thin conformal deposition of CuInS ₂ on ZnO nanowires by chemical spray pyrolysis. <i>Journal of Materials Chemistry</i> , 2012, 22, 13965.	6.7	14
49	Study of metal additives to alumina substrate for high temperature and pressure application. , 2012, , .		0
50	Novel Assembly of an MoS ₂ Electrocatalyst onto a Silicon Nanowire Array Electrode to Construct a Photocathode Composed of Elements Abundant on the Earth for Hydrogen Generation. <i>Chemistry - A European Journal</i> , 2012, 18, 13994-13999.	1.7	109
51	Evolution Pathway of CIGSe Nanocrystals for Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8202-8209.	1.5	55
52	Copper molybdenum sulfide: a new efficient electrocatalyst for hydrogen production from water. <i>Energy and Environmental Science</i> , 2012, 5, 8912.	15.6	314
53	Facile Photochemical Synthesis of Graphene-Pt Nanoparticle Composite for Counter Electrode in Dye Sensitized Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3447-3452.	4.0	85
54	Enhanced electron field emission properties of high aspect ratio silicon nanowire-zinc oxide core-shell arrays. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4614.	1.3	35

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55	Efficient multispectral photodetection using Mn doped ZnO nanowires. <i>Journal of Materials Chemistry</i> , 2012, 22, 9678.	6.7	97
56	A cuprous oxide-reduced graphene oxide (Cu ₂ O-rGO) composite photocatalyst for hydrogen generation: employing rGO as an electron acceptor to enhance the photocatalytic activity and stability of Cu ₂ O. <i>Nanoscale</i> , 2012, 4, 3875.	2.8	279
57	Morphology and stoichiometry control of hierarchical CuInSe ₂ /SnO ₂ nanostructures by directed electrochemical assembly for solar energy harvesting. <i>Electrochemistry Communications</i> , 2012, 15, 18-21.	2.3	7
58	Physical and Electrical Properties of Single Zn ₂ SnO ₄ Nanowires. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, K5.	2.2	11
59	Apatite germanates doped with tungsten: synthesis, structure, and conductivity. <i>Dalton Transactions</i> , 2011, 40, 3903-3908.	1.6	29
60	Nanoweb anodes composed of one-dimensional, high aspect ratio, size tunable electrospun ZnFe ₂ O ₄ nanofibers for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 14999.	6.7	210
61	Intermetallic phase transformations in Au-Al wire bonds. <i>Intermetallics</i> , 2011, 19, 1808-1816.	1.8	44
62	Apatite metaprisism twist angle (θ) as a tool for crystallochemical diagnosis. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2978-2986.	1.4	30
63	New mechanisms of void growth in Au-Al wire bonds: Volumetric shrinkage and intermetallic oxidation. <i>Scripta Materialia</i> , 2011, 65, 642-645.	2.6	26
64	Controlled growth of hematite (α -Fe ₂ O ₃) nanorod array on fluorine doped tin oxide: Synthesis and photoelectrochemical properties. <i>Electrochemistry Communications</i> , 2011, 13, 951-954.	2.3	88
65	Novel Zn-Sn-O nanocactus with excellent transport properties as photoanode material for high performance dye-sensitized solar cells. <i>Nanoscale</i> , 2011, 3, 4640.	2.8	15
66	Behavior of aluminum oxide, intermetallics and voids in Cu-Al wire bonds. <i>Acta Materialia</i> , 2011, 59, 5661-5673.	3.8	202
67	Morphology, structure and electrochemical properties of single phase electrospun vanadium pentoxide nanofibers for lithium ion batteries. <i>Journal of Power Sources</i> , 2011, 196, 6465-6472.	4.0	152
68	Crystal chemistry and optimization of conductivity in 2A, 2M and 2H alkaline earth lanthanum germanate oxyapatite electrolyte polymorphs. <i>Solid State Ionics</i> , 2010, 181, 1189-1196.	1.3	15
69	Polysomatic apatites. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 1-16.	1.8	30
70	Microwave Synthesis of Noncentrosymmetric BaTiO ₃ Truncated Nanocubes for Charge Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3037-3042.	4.0	28
71	Ultraviolet Electroluminescence from Randomly Assembled n-SnO ₂ Nanowires-p-GaN:Mg Heterojunction. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1191-1194.	4.0	41
72	A micromechanism study of thermosonic gold wire bonding on aluminum pad. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	60

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73	A re-examination of the mechanism of thermosonic copper ball bonding on aluminium metallization pads. <i>Scripta Materialia</i> , 2009, 61, 165-168.	2.6	95
74	Pseudomorphic 2A ⁺ 2M ⁺ 2H phase transitions in lanthanum strontium germanate electrolyte apatites. <i>Dalton Transactions</i> , 2009, , 8280.	1.6	14
75	The crystal chemistry of the alkaline-earth apatites A ₁₀ (PO ₄) ₆ C _x O _y (H) _z (A = Ca, Sr and Ba). <i>Dalton Transactions</i> , 2009, , 6722.	1.6	39
76	Crystal chemistry of mimetite, Pb ₁₀ (AsO ₄) ₆ Cl _{1.48} O _{0.26} , and finnemanite, Pb ₁₀ (AsO ₃) ₆ Cl ₂ . <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 34-41.	1.8	13
77	A taxonomy of apatite frameworks for the crystal chemical design of fuel cell electrolytes. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1717-1722.	1.4	49
78	Simple Route to Monodispersed Silica [~] Titania Core [~] Shell Photocatalysts. <i>Langmuir</i> , 2008, 24, 6226-6231.	1.6	56
79	Framework 'interstitial' oxygen in La ₁₀ (GeO ₄) ₅ (GeO ₅)O ₂ apatite electrolyte. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 597-602.	1.8	64
80	The crystallographic and magnetic characteristics of Sr ₂ CrO ₄ (K ₂ NiF ₄ -type) and Sr ₁₀ (CrO ₄) ₆ F ₂ (apatite-type). <i>Journal of Solid State Chemistry</i> , 2007, 180, 1538-1546.	1.4	28