

# Salmia Beddu

## List of Publications by Year in descending order

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55  
papers

443  
citations

933447

10  
h-index

888059

17  
g-index

55  
all docs

55  
docs citations

55  
times ranked

335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact resistance of oil palm shells concrete reinforced with polypropylene fibre. <i>Construction and Building Materials</i> , 2016, 123, 394-403.	7.2	42
2	Application of response surface methodology for the optimization of polycyclic aromatic hydrocarbons degradation from potable water using photo-Fenton oxidation process. <i>Science of the Total Environment</i> , 2019, 665, 196-212.	8.0	41
3	Ecological and health risk assessment of polycyclic aromatic hydrocarbons (PAHs) in Sungai Perak, Malaysia. <i>Journal of Cleaner Production</i> , 2021, 294, 126124.	9.3	19
4	Performance Analysis of Full Assembly Glass Fiber-Reinforced Polymer Composite Cross-Arm in Transmission Tower. <i>Polymers</i> , 2022, 14, 1563.	4.5	19
5	Coal Bottom Ash as Sustainable Material in Concrete ½ A Review. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-10.	0.7	18
6	Assessment of Seismic Building Vulnerability Using Rapid Visual Screening Method through Web-Based Application for Malaysia. <i>Buildings</i> , 2021, 11, 485.	3.1	18
7	Modeling of Cu(II) Adsorption from an Aqueous Solution Using an Artificial Neural Network (ANN). <i>Molecules</i> , 2020, 25, 3263.	3.8	15
8	The occurrence of non-steroidal anti-inflammatory drugs (NSAIDs) in Malaysian urban domestic wastewater. <i>Chemosphere</i> , 2022, 287, 132134.	8.2	15
9	Reducing Heavy Metal Element from Coal Bottom Ash by Using Citric Acid Leaching Treatment. <i>MATEC Web of Conferences</i> , 2017, 103, 01004.	0.2	13
10	Utilization of fly ash cenosphere to study mechanical and thermal properties of lightweight concrete. <i>AIMS Materials Science</i> , 2020, 7, 911-925.	1.4	13
11	Creep behavior of glass fibre reinforced polymer structures in crossarms transmission line towers. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	12
12	Step by step procedures: Degradation of polycyclic aromatic hydrocarbons in potable water using photo-Fenton oxidation process. <i>MethodsX</i> , 2019, 6, 1701-1705.	1.6	11
13	Dataset on leaching properties of coal ashes from Malaysian coal power plant. <i>Data in Brief</i> , 2020, 31, 105843.	1.0	11
14	Impact Resistance Behaviour of Banana Fiber Reinforced Slabs. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 32, 012017.	0.3	10
15	The Feasibility of Palm Kernel Shell as a Replacement for Coarse Aggregate in Lightweight Concrete. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 32, 012040.	0.3	10
16	Effects of heating durations on normal concrete residual properties: compressive strength and mass loss. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 271, 012013.	0.6	10
17	Self-curing Concrete using Baby Diapers Polymer. <i>Indian Journal of Science and Technology</i> , 2017, 10, .	0.7	10
18	Dataset on specific UV absorbances (SUVA <sub>254</sub> ) at stretch components of Perak River basin. <i>Data in Brief</i> , 2020, 30, 105518.	1.0	10

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19	Flight Trajectories Optimization of Fixed-Wing UAV by Bank-Turn Mechanism. Drones, 2022, 6, 69.	4.9	10
20	Impact Resistance Performance of Kenaf Fibre Reinforced Concrete. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012019.	0.3	9
21	Physicochemical and leaching properties of coal ashes from Malaysian coal power plant. Chemical Physics Letters, 2021, 769, 138420.	2.6	9
22	Strength enhancement of concrete using incinerated agricultural waste as supplementary cement materials. Scientific Reports, 2021, 11, 12722.	3.3	9
23	Mechanical properties of hot-mix asphalt using waste crumber rubber and phenol formaldehyde polymer. AIMS Materials Science, 2019, 6, 1164-1175.	1.4	9
24	Carbon dioxide sequestration in concrete and its effects on concrete compressive strength. Materials Today: Proceedings, 2020, 31, A18-A21.	1.8	9
25	Prevention of premature failures of plate bonded flexurally strengthened RC slab using end anchor and connector. AEJ - Alexandria Engineering Journal, 2018, 57, 287-299.	6.4	8
26	Microwave Incinerated Rice Husk Ash (MIRHA) and Used Engine Oil (UEO): Towards Sustainable Concrete Production. Applied Mechanics and Materials, 0, 567, 434-439.	0.2	6
27	Application of Response Surface Methodology for the Optimization of Mix Design Concrete Using Coal Bottom Ash as Cement Replacement Material. Lecture Notes in Civil Engineering, 2021, , 396-404.	0.4	6
28	The Strength and Thermal Properties of Concrete containing Water Absorptive Aggregate from Well-Graded Bottom Ash (BA) as Partial Sand Replacement. Construction and Building Materials, 2022, 339, 127658.	7.2	6
29	Impact Resistance Behaviour of Light Weight Rice Husk Concrete with Bamboo Reinforcement. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012020.	0.3	5
30	Plagiarism in Publications Using the Unpublished Raw Data of Archived Research. Science and Engineering Ethics, 2017, 23, 635-636.	2.9	5
31	Study on prediction fly ash generation using statistical method. AIP Conference Proceedings, 2018, , .	0.4	5
32	Energy Performance of a High-Rise Residential Building Using Fibre-Reinforced Structural Lightweight Aggregate Concrete. Applied Sciences (Switzerland), 2020, 10, 4489.	2.5	5
33	Physicochemical properties of absorbent hydrogel polymers in disposable baby diapers. Chemical Physics Letters, 2021, 774, 138605.	2.6	5
34	Finite Element Analysis of the Maximum Stress at the Joints of the Transmission Tower. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012044.	0.3	4
35	The Effect of Mortar Grade and Thickness on the Impact Resistance of Ferrocement Slab. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012029.	0.3	3
36	The Potential of Heat Collection from Solar Radiation in Asphalt Solar Collectors in Malaysia. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012045.	0.3	3

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37	The Effect of Thickness and Mesh Spacing on the Impact Resistance of Ferrocement Slab. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012027.	0.3	3
38	The performance of diapers polymer in concrete as self-curing agent in term of chemical properties. AIP Conference Proceedings, 2018, , .	0.4	3
39	Properties of Self-curing High Strength Concrete by using Baby Polymer Diapers. MATEC Web of Conferences, 2018, 203, 06022.	0.2	3
40	Dataset of computed N-value and factual N-value traced for Soil Subsurface Profiling. Data in Brief, 2020, 31, 105868.	1.0	3
41	Compressive Strength by Incorporating Quarry Dust in Self-Compacting Concrete Grade M35. Civil Engineering Journal (Iran), 2018, 4, 776.	3.9	3
42	Quantification of the Seismic Behavior of a Steel Transmission Tower Subjected to Single and Repeated Seismic Excitations Using Vulnerability Function and Collapse Margin Ratio. Applied Sciences (Switzerland), 2022, 12, 1984.	2.5	3
43	Effect of Mesh Distribution on Impact Resistance Performance of Kenaf Fibre Reinforced Concrete. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012025.	0.3	2
44	Ecological Risk Indicators for Leached Heavy Metals from Coal Ash Generated at a Malaysian Power Plant. Sustainability, 2021, 13, 10222.	3.2	2
45	INFLUENCE OF CURING ON THE PROPERTIES OF HIGH VOLUME FLY ASH CONCRETE. MATTER International Journal of Science and Technology, 2017, 3, 308-315.	0.1	2
46	Effect of Thickness and Fibre Volume Fraction on Impact Resistance of Steel Fibre Reinforced Concrete (SFRC). IOP Conference Series: Earth and Environmental Science, 2016, 32, 012026.	0.3	1
47	Effect of Steel Fibres Distribution on Impact Resistance Performance of Steel Fibre Reinforced Concrete (SFRC). IOP Conference Series: Earth and Environmental Science, 2016, 32, 012028.	0.3	1
48	Heat Lump in Different Pavement Layer Using Ethylene Glycol as A Solar Heat Collector. MATEC Web of Conferences, 2017, 87, 01015.	0.2	1
49	Mechanical properties of high performance self-curing concrete using hydrogel polymer diapers. AIP Conference Proceedings, 2018, , .	0.4	1
50	Immobilization of heavy metal in coal bottom ash (CBA) mortar. AIP Conference Proceedings, 2019, , .	0.4	1
51	Application of sugarcane ash as an additional cementitious material in concrete. Materials Today: Proceedings, 2022, 66, 2824-2829.	1.8	1
52	A Conceptual Framework for Procurement Decision Making Model to Optimize Supplier Selection: The Case of Malaysian Construction Industry. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012034.	0.3	0
53	Encapsulation of a Decision-Making Model to Optimize Supplier Selection via Structural Equation Modeling (SEM). IOP Conference Series: Earth and Environmental Science, 2016, 32, 012033.	0.3	0
54	Study of physical properties and environmental monitoring for diapers polymer. AIP Conference Proceedings, 2019, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Comparison of different curing method for mechanical properties of self-curing agent using diapers polymer. AIP Conference Proceedings, 2021, , .	0.4	0