Hom Bahadur Rijal

List of Publications by Year
in descending order

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95 papers	3,975 citations	147786 31 h-index	118840 62 g-index
98 all docs	98 docs citations	98 times ranked	1835 citing authors

#	Article	IF	Citations
1	Using results from field surveys to predict the effect of open windows on thermal comfort and energy use in buildings. Energy and Buildings, 2007, 39, 823-836.	6.7	400
2	Development of the ASHRAE Global Thermal Comfort Database II. Building and Environment, 2018, 142, 502-512.	6.9	279
3	Updating the adaptive relation between climate and comfort indoors; new insights and an extended database. Building and Environment, 2013, 63, 40-55.	6.9	230
4	Adaptive model of thermal comfort for offices in hot and humid climates of India. Building and Environment, 2014, 74, 39-53.	6.9	197
5	Field study on adaptive thermal comfort in office buildings in Malaysia, Indonesia, Singapore, and Japan during hot and humid season. Building and Environment, 2016, 109, 208-223.	6.9	186
6	Seasonal and regional differences in neutral temperatures in Nepalese traditional vernacular houses. Building and Environment, 2010, 45, 2743-2753.	6.9	148
7	Development of an adaptive window-opening algorithm to predict the thermal comfort, energy use and overheating in buildings. Journal of Building Performance Simulation, 2008, 1, 17-30.	2.0	147
8	Thermal comfort in offices in India: Behavioral adaptation and the effect of age and gender. Energy and Buildings, 2015, 103, 284-295.	6.7	141
9	Thermal comfort in offices in summer: Findings from a field study under the â€˜setsudenâ€™ conditions in Tokyo, Japan. Building and Environment, 2013, 61, 114-132.	6.9	126
10	Thermal comfort and occupant adaptive behaviour in Japanese university buildings with free running and cooling mode offices during summer. Building and Environment, 2016, 105, 332-342.	6.9	124
11	Adaptive thermal comfort in university classrooms in Malaysia and Japan. Building and Environment, 2017, 122, 294-306.	6.9	119
12	Progress in thermal comfort studies in classrooms over last 50 years and way forward. Energy and Buildings, 2019, 188-189, 149-174.	6.7	105
13	Towards an adaptive model for thermal comfort in Japanese offices. Building Research and Information, 2017, 45, 717-729.	3.9	96
14	Status of thermal comfort in naturally ventilated classrooms during the summer season in the composite climate of India. Building and Environment, 2018, 128, 287-304.	6.9	94
15	Investigation of comfort temperature, adaptive model and the window-opening behaviour in Japanese houses. Architectural Science Review, 2013, 56, 54-69.	2.2	91
16	Field investigation of comfort temperature in Indian office buildings: A case of Chennai and Hyderabad. Building and Environment, 2013, 65, 195-214.	6.9	81
17	Adaptive thermal comfort in the offices of North-East India in autumn season. Building and Environment, 2017, 124, 14-30.	6.9	71
18	Developing occupancy feedback from a prototype to improve housing production. Building Research and Information, 2010, 38, 549-563.	3.9	65

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19	Investigation of comfort temperature and thermal adaptation for patients and visitors in Malaysian hospitals. Energy and Buildings, 2019, 183, 484-499.	6.7	65
20	Adaptive model and the adaptive mechanisms for thermal comfort in Japanese dwellings. Energy and Buildings, 2019, 202, 109371.	6.7	62
21	Understanding occupant behaviour: the use of controls in mixed-mode office buildings. Building Research and Information, 2009, 37, 381-396.	3.9	60
22	Adaptive Thermal Comfort in Japanese Houses during the Summer Season: Behavioral Adaptation and the Effect of Humidity. Buildings, 2015, 5, 1037-1054.	3.1	60
23	Development of a window opening algorithm based on adaptive thermal comfort to predict occupant behavior in Japanese dwellings. Japan Architectural Review, 2018, 1, 310-321.	1.1	58
24	Study on adaptive thermal comfort in Japanese offices under various operation modes. Building and Environment, 2017, 118, 273-288.	6.9	56
25	The influence of acclimatization, age and gender-related differences on thermal perception in university buildings: Case studies in Scotland and England. Building and Environment, 2020, 179, 106933.	6.9	45
26	Development of an adaptive thermal comfort model for energy-saving building design in Japan. Architectural Science Review, 2021, 64, 109-122.	2.2	44
27	Field survey of the thermal comfort, quality of sleep and typical occupant behaviour in the bedrooms of Japanese houses during the hot and humid season. Architectural Science Review, 2015, 58, 11-23.	2.2	39
28	Investigation of Comfort Temperature and Occupant Behavior in Japanese Houses during the Hot and Humid Season. Buildings, 2014, 4, 437-452.	3.1	38
29	Thermal adaptation of buildings and people for energy saving in extreme cold climate of Nepal. Energy and Buildings, 2021, 230, 110551.	6.7	38
30	An algorithm to represent occupant use of windows and fans including situation-specific motivations and constraints. Building Simulation, 2011, 4, 117-134.	5.6	36
31	Field study on acceptable indoor temperature in temporary shelters built in Nepal after massive earthquake 2015. Building and Environment, 2018, 135, 330-343.	6.9	35
32	Affordable retrofitting methods to achieve thermal comfort for a terrace house in Malaysia with a hotâ€“humid climate. Energy and Buildings, 2020, 223, 110072.	6.7	32
33	A field investigation on the wintry thermal comfort and clothing adjustment of residents in traditional Nepalese houses. Journal of Building Engineering, 2019, 26, 100886.	3.4	31
34	Effectiveness of free running passive cooling strategies for indoor thermal environments: Example from a two-storey corner terrace house in Malaysia. Building and Environment, 2019, 160, 106214.	6.9	27
35	Climate Responsive Building Design in the Kathmandu Valley. Journal of Asian Architecture and Building Engineering, 2006, 5, 169-176.	2.0	26
36	Considering the impact of situation-specific motivations and constraints in the design of naturally ventilated and hybrid buildings. Architectural Science Review, 2012, 55, 35-48.	2.2	26

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37	Comfort temperature and preferred adaptive behaviour in various classroom types in the UK higher learning environments. Energy and Buildings, 2020, 211, 109814.	6.7	26
38	Improvement of sweating model in 2-Node Model and its application to thermal safety for hot environments. Building and Environment, 2010, 45, 1565-1573.	6.9	24
39	Drivers and barriers to occupant adaptation in offices in India. Architectural Science Review, 2015, 58, 77-86.	2.2	24
40	Determinant Factors of Electricity Consumption for a Malaysian Household Based on a Field Survey. Sustainability, 2021, 13, 818.	3.2	22
41	A study on household energy-use patterns in rural, semi-urban and urban areas of Nepal based on field survey. Energy and Buildings, 2020, 223, 110095.	6.7	22
42	An in-situ study on occupantsâ€™ behaviors for adaptive thermal comfort in a Japanese HEMS condominium. Journal of Building Engineering, 2018, 19, 402-411.	3.4	21
43	Investigation on adaptive thermal comfort considering the thermal history of local and migrant peoples living in sub-tropical climate of Nepal. Building and Environment, 2020, 185, 107237.	6.9	21
44	Preferred vs neutral temperatures and their implications on thermal comfort and energy use: Workplaces in Japan, Norway and the UK. Energy Procedia, 2019, 158, 3113-3118.	1.8	19
45	A field investigation on indoor thermal environment and its associated energy use in three climatic regions in Nepal. Energy and Buildings, 2020, 222, 110073.	6.7	19
46	Review on the Importance of Gender Perspective in Household Energy-Saving Behavior and Energy Transition for Sustainability. Energies, 2021, 14, 7571.	3.1	18
47	The range and shape of thermal comfort and resilience. Energy and Buildings, 2020, 224, 110277.	6.7	17
48	Thermal Improvements of the Traditional Houses in Nepal for the Sustainable Building Design. Journal of the Human-Environment System, 2012, 15, 1-11.	0.1	16
49	Patterns of thermal preference and Visual Thermal Landscaping model in the workplace. Applied Energy, 2019, 255, 113674.	10.1	16
50	Study on wintry comfort temperature and thermal improvement of houses in cold, temperate, and subtropical regions of Nepal. Building and Environment, 2021, 191, 107569.	6.9	16
51	Development of integrated occupant-behavioural stochastic model including the fan use in Japanese dwellings. Energy and Buildings, 2020, 226, 110326.	6.7	15
52	Field study of pedestriansâ€™ comfort temperatures under outdoor and semi-outdoor conditions in Malaysian university campuses. International Journal of Biometeorology, 2021, 65, 453-477.	3.0	15
53	Analysis on electricity use and indoor thermal environment for typical air-conditioning residential buildings in Malaysia. Urban Climate, 2021, 37, 100830.	5.7	14
54	Study on the wintry thermal improvement of makeshift shelters built after Nepal earthquake 2015. Energy and Buildings, 2019, 199, 62-71.	6.7	13

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55	Energy Transition toward Cleaner Energy Resources in Nepal. Sustainability, 2021, 13, 4243.	3.2	11
56	An Investigation of the Behavioral Characteristics of Higher- and Lower-Temperature Group Families in a Condominium Equipped with a HEMS System. Buildings, 2019, 9, 4.	3.1	10
57	Thermal Adaptation Outdoors and the Effect of Wind on Thermal Comfort. Springer Geography, 2012, , 33-58.	0.4	9
58	Associating thermal comfort and preference in Malaysian universitiesâ€™ air-conditioned office rooms under various set-point temperatures. Journal of Building Engineering, 2022, 54, 104575.	3.4	9
59	FIELD SURVEY ON THE COMFORT TEMPERATURE AND OCCUPANT BEHAVIOUR IN BEDROOMS. Journal of Environmental Engineering (Japan), 2016, 81, 875-883.	0.4	8
60	Hourly Firewood Consumption Patterns and CO2 Emission Patterns in Rural Households of Nepal. Designs, 2020, 4, 46.	2.4	8
61	INVESTIGATION OF WINTER THERMAL ENVIRONMENT IN TRADITIONAL VERNACULAR HOUSES IN A MOUNTAIN AREA OF NEPAL. Nihon Kenchiku Gakkai Keikakukei Ronbunshu, 2001, 66, 37-44.	0.3	7
62	Behavioural Adaptation for the Thermal Comfort and Energy Saving in Japanese Offices. Journal of the Institute of Engineering, 2020, 15, 14-25.	0.3	7
63	Effectiveness of a Cool Bed Linen for Thermal Comfort and Sleep Quality in Air-Conditioned Bedroom under Hot-Humid Climate. Sustainability, 2021, 13, 9099.	3.2	7
64	STUDY ON THE COMFORT TEMPERATURE AND THERMAL ADAPTATION IN LIVING ROOMS IN SUMMER. Journal of Environmental Engineering (Japan), 2015, 80, 13-20.	0.4	6
65	Visual Thermal Landscaping (VTL) Model: A Qualitative Thermal Comfort Approach based on the Context to Balance Energy and Comfort. Energy Procedia, 2019, 158, 3119-3124.	1.8	6
66	SUMMER THERMAL ENVIRONMENT IN TRADITIONAL VERNACULAR HOUSES IN SEVERAL AREAS OF NEPAL. Nihon Kenchiku Gakkai Keikakukei Ronbunshu, 2002, 67, 41-48.	0.3	5
67	Designing for comfort at high temperatures. Architectural Science Review, 2015, 58, 35-38.	2.2	5
68	STUDY ON MODELING OF THE CONSCIOUSNESS, BEHAVIOR AND DESIRED INFORMATION OF OCCUPANTS IN RELATION TO ENERGY SAVING. Journal of Environmental Engineering (Japan), 2019, 84, 93-101.	0.4	5
69	SUMMER AND WINTER THERMAL COMFORT OF NEPALESE IN HOUSES. Nihon Kenchiku Gakkai Keikakukei Ronbunshu, 2003, 68, 17-24.	0.3	4
70	Study on Behavioural Adaptation for the Thermal Comfort and Energy Saving in Japanese Offices. Journal of the Institute of Engineering, 2020, 15, 292-299.	0.3	4
71	Thermal Mitigation of the Indoor and Outdoor Climate by Green Curtains in Japanese Condominiums. Climate, 2020, 8, 8.	2.8	4
72	Energy-Saving and CO2-Emissions-Reduction Potential of a Fuel Cell Cogeneration System for Condominiums Based on a Field Survey. Energies, 2021, 14, 6611.	3.1	4

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73	Field Study on Energy-Saving Behaviour and Patterns of Air-Conditioning Use in a Condominium. Energies, 2021, 14, 8572.	3.1	4
74	Window Opening Behaviour in Japanese Dwellings. , 2018, , 271-282.		3
75	DEVELOPMENT OF AN INTEGRATED BEHAVIOURAL MODEL ON THE CONTROL OF WINDOW, HEATING AND COOLING IN DWELLINGS OF KANTO REGION. Journal of Environmental Engineering (Japan), 2019, 84, 855-864.	0.4	3
76	Development of Single and Combined Fan-Use Models in Japanese Dwellings. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012078.	0.3	2
77	Study on Winter Indoor Thermal Environment of Temporary Shelters Built in Nepal After Massive Earthquake 2015. Journal of the Institute of Engineering, 2020, 15, 340-348.	0.3	2
78	IMPROVEMENT OF WINTER THERMAL ENVIRONMENT IN A TRADITIONAL VERNACULAR HOUSE IN A MOUNTAIN AREA OF NEPAL : Investigation by simulation. Journal of Environmental Engineering (Japan), 2005, 70, 15-22.	0.4	2
79	Development of an Electrical Energy Consumption Model for Malaysian Households, Based on Techno-Socioeconomic Determinant Factors. Sustainability, 2021, 13, 13258.	3.2	2
80	INVESTIGATION OF THE THERMAL COMFORT AND PRODUCTIVITY IN JAPANESE MIXED-MODE OFFICE BUILDINGS. Journal of Engineering Research, 2022, 19, 63-72.	0.2	2
81	Study on winter indoor thermal environment of temporary shelters built in Nepal after massive earthquake 2015. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012029.	0.3	1
82	Regional differences of wintry indoor thermal environment of traditional houses in Nepal. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012034.	0.3	1
83	Study on Adaptive Thermal Comfort in Naturally Ventilated Secondary School Buildings in Nepal. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012062.	0.3	1
84	Detecting Anomalous Energy Consumption from Profiles. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012072.	0.3	1
85	Study on Household Energy Usage Patterns in Urban and Rural Areas of Nepal. Journal of the Institute of Engineering, 2020, 15, 402-410.	0.3	1
86	Firewood Consumption in Nepal. , 2018, , 335-344.		0
87	Importance of Behavioral Adjustments for Adaptive Thermal Comfort in a Condominium with HEMS System. Journal of the Institute of Engineering, 2020, 15, 163-170.	0.3	0
88	Field Study on Adaptive Thermal Comfort in Naturally Ventilated Secondary School Buildings in Nepal. Journal of the Institute of Engineering, 2020, 15, 317-325.	0.3	0
89	Nepal: Traditional Houses. , 2018, , 59-66.		0
90	Comfort Temperature and Adaptive Model in Traditional Houses of Nepal. , 2018, , 175-184.		0

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91	Passive Cooling of the Traditional Houses of Nepal. , 2018, , 397-406.		0
92	Field Survey of Thermal Comfort and Sleep Quality in the Bedrooms with Different Cooling Strategies in Malaysia. KnE Social Sciences, 0, , .	0.1	0
93	Investigation of Indoor Thermal Environments in a Two-Story Corner Terrace House in Malaysia. KnE Social Sciences, 0, , .	0.1	0
94	Investigation on Wintry Thermal Comfort in Traditional Houses of Nepalese Three Climatic Regions. Journal of the Institute of Engineering, 2020, 15, 133-140.	0.3	0
95	Study on the Stochastic Model for Excessive Air Conditioning Use in Japanese Dwellings. Journal of the Institute of Engineering, 2020, 15, 153-158.	0.3	0