

# Hom Bahadur Rijal

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

2,791  
citations

26  
h-index

51  
g-index

98  
ext. papers

3,305  
ext. citations

3.6  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
92	Using results from field surveys to predict the effect of open windows on thermal comfort and energy use in buildings. <i>Energy and Buildings</i> , <b>2007</b> , 39, 823-836	7	336
91	Updating the adaptive relation between climate and comfort indoors; new insights and an extended database. <i>Building and Environment</i> , <b>2013</b> , 63, 40-55	6.5	188
90	Development of the ASHRAE Global Thermal Comfort Database II. <i>Building and Environment</i> , <b>2018</b> , 142, 502-512	6.5	164
89	Adaptive model of thermal comfort for offices in hot and humid climates of India. <i>Building and Environment</i> , <b>2014</b> , 74, 39-53	6.5	157
88	Field study on adaptive thermal comfort in office buildings in Malaysia, Indonesia, Singapore, and Japan during hot and humid season. <i>Building and Environment</i> , <b>2016</b> , 109, 208-223	6.5	132
87	Development of an adaptive window-opening algorithm to predict the thermal comfort, energy use and overheating in buildings. <i>Journal of Building Performance Simulation</i> , <b>2008</b> , 1, 17-30	2.8	122
86	Seasonal and regional differences in neutral temperatures in Nepalese traditional vernacular houses. <i>Building and Environment</i> , <b>2010</b> , 45, 2743-2753	6.5	117
85	Thermal comfort in offices in summer: Findings from a field study under the Betsuden conditions in Tokyo, Japan. <i>Building and Environment</i> , <b>2013</b> , 61, 114-132	6.5	98
84	Thermal comfort in offices in India: Behavioral adaptation and the effect of age and gender. <i>Energy and Buildings</i> , <b>2015</b> , 103, 284-295	7	94
83	Thermal comfort and occupant adaptive behaviour in Japanese university buildings with free running and cooling mode offices during summer. <i>Building and Environment</i> , <b>2016</b> , 105, 332-342	6.5	93
82	Adaptive thermal comfort in university classrooms in Malaysia and Japan. <i>Building and Environment</i> , <b>2017</b> , 122, 294-306	6.5	81
81	Investigation of comfort temperature, adaptive model and the window-opening behaviour in Japanese houses. <i>Architectural Science Review</i> , <b>2013</b> , 56, 54-69	2.6	74
80	Towards an adaptive model for thermal comfort in Japanese offices. <i>Building Research and Information</i> , <b>2017</b> , 45, 717-729	4.3	69
79	Field investigation of comfort temperature in Indian office buildings: A case of Chennai and Hyderabad. <i>Building and Environment</i> , <b>2013</b> , 65, 195-214	6.5	63
78	Developing occupancy feedback from a prototype to improve housing production. <i>Building Research and Information</i> , <b>2010</b> , 38, 549-563	4.3	57
77	Understanding occupant behaviour: the use of controls in mixed-mode office buildings. <i>Building Research and Information</i> , <b>2009</b> , 37, 381-396	4.3	56
76	Progress in thermal comfort studies in classrooms over last 50 years and way forward. <i>Energy and Buildings</i> , <b>2019</b> , 188-189, 149-174	7	55

75	Status of thermal comfort in naturally ventilated classrooms during the summer season in the composite climate of India. <i>Building and Environment</i> , <b>2018</b> , 128, 287-304	6.5	55
74	Adaptive Thermal Comfort in Japanese Houses during the Summer Season: Behavioral Adaptation and the Effect of Humidity. <i>Buildings</i> , <b>2015</b> , 5, 1037-1054	3.2	49
73	Adaptive thermal comfort in the offices of North-East India in autumn season. <i>Building and Environment</i> , <b>2017</b> , 124, 14-30	6.5	46
72	Investigation of comfort temperature and thermal adaptation for patients and visitors in Malaysian hospitals. <i>Energy and Buildings</i> , <b>2019</b> , 183, 484-499	7	44
71	Development of a window opening algorithm based on adaptive thermal comfort to predict occupant behavior in Japanese dwellings. <i>Japan Architectural Review</i> , <b>2018</b> , 1, 310-321	0.8	39
70	Study on adaptive thermal comfort in Japanese offices under various operation modes. <i>Building and Environment</i> , <b>2017</b> , 118, 273-288	6.5	35
69	An algorithm to represent occupant use of windows and fans including situation-specific motivations and constraints. <i>Building Simulation</i> , <b>2011</b> , 4, 117-134	3.9	32
68	Adaptive model and the adaptive mechanisms for thermal comfort in Japanese dwellings. <i>Energy and Buildings</i> , <b>2019</b> , 202, 109371	7	29
67	Investigation of Comfort Temperature and Occupant Behavior in Japanese Houses during the Hot and Humid Season. <i>Buildings</i> , <b>2014</b> , 4, 437-452	3.2	29
66	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. <i>Architectural Science Review</i> , <b>2015</b> , 58, 11-23	2.6	26
65	Development of an adaptive thermal comfort model for energy-saving building design in Japan. <i>Architectural Science Review</i> , <b>2021</b> , 64, 109-122	2.6	25
64	A field investigation on the wintry thermal comfort and clothing adjustment of residents in traditional Nepalese houses. <i>Journal of Building Engineering</i> , <b>2019</b> , 26, 100886	5.2	23
63	Considering the impact of situation-specific motivations and constraints in the design of naturally ventilated and hybrid buildings. <i>Architectural Science Review</i> , <b>2012</b> , 55, 35-48	2.6	23
62	Field study on acceptable indoor temperature in temporary shelters built in Nepal after massive earthquake 2015. <i>Building and Environment</i> , <b>2018</b> , 135, 330-343	6.5	22
61	Improvement of sweating model in 2-Node Model and its application to thermal safety for hot environments. <i>Building and Environment</i> , <b>2010</b> , 45, 1565-1573	6.5	21
60	The influence of acclimatization, age and gender-related differences on thermal perception in university buildings: Case studies in Scotland and England. <i>Building and Environment</i> , <b>2020</b> , 179, 106933	6.5	19
59	Climate Responsive Building Design in the Kathmandu Valley. <i>Journal of Asian Architecture and Building Engineering</i> , <b>2006</b> , 5, 169-176	1	19
58	Drivers and barriers to occupant adaptation in offices in India. <i>Architectural Science Review</i> , <b>2015</b> , 58, 77-86	2.6	18

57	Thermal adaptation of buildings and people for energy saving in extreme cold climate of Nepal. <i>Energy and Buildings</i> , <b>2021</b> , 230, 110551	7	16
56	A study on household energy-use patterns in rural, semi-urban and urban areas of Nepal based on field survey. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110095	7	15
55	An in-situ study on occupants behaviors for adaptive thermal comfort in a Japanese HEMS condominium. <i>Journal of Building Engineering</i> , <b>2018</b> , 19, 402-411	5.2	15
54	Preferred vs neutral temperatures and their implications on thermal comfort and energy use: Workplaces in Japan, Norway and the UK. <i>Energy Procedia</i> , <b>2019</b> , 158, 3113-3118	2.3	14
53	Comfort temperature and preferred adaptive behaviour in various classroom types in the UK higher learning environments. <i>Energy and Buildings</i> , <b>2020</b> , 211, 109814	7	14
52	Effectiveness of free running passive cooling strategies for indoor thermal environments: Example from a two-storey corner terrace house in Malaysia. <i>Building and Environment</i> , <b>2019</b> , 160, 106214	6.5	13
51	Thermal Improvements of the Traditional Houses in Nepal for the Sustainable Building Design. <i>Journal of the Human-Environment System</i> , <b>2012</b> , 15, 1-11	0.4	13
50	Affordable retrofitting methods to achieve thermal comfort for a terrace house in Malaysia with a hot humid climate. <i>Energy and Buildings</i> , <b>2020</b> , 223, 110072	7	12
49	A field investigation on indoor thermal environment and its associated energy use in three climatic regions in Nepal. <i>Energy and Buildings</i> , <b>2020</b> , 222, 110073	7	12
48	Patterns of thermal preference and Visual Thermal Landscaping model in the workplace. <i>Applied Energy</i> , <b>2019</b> , 255, 113674	10.7	10
47	Investigation on adaptive thermal comfort considering the thermal history of local and migrant peoples living in sub-tropical climate of Nepal. <i>Building and Environment</i> , <b>2020</b> , 185, 107237	6.5	9
46	Development of integrated occupant-behavioural stochastic model including the fan use in Japanese dwellings. <i>Energy and Buildings</i> , <b>2020</b> , 226, 110326	7	9
45	An Investigation of the Behavioral Characteristics of Higher- and Lower-Temperature Group Families in a Condominium Equipped with a HEMS System. <i>Buildings</i> , <b>2019</b> , 9, 4	3.2	8
44	FIELD SURVEY ON THE COMFORT TEMPERATURE AND OCCUPANT BEHAVIOUR IN BEDROOMS. <i>Journal of Environmental Engineering (Japan)</i> , <b>2016</b> , 81, 875-883	0.3	8
43	Study on the wintry thermal improvement of makeshift shelters built after Nepal earthquake 2015. <i>Energy and Buildings</i> , <b>2019</b> , 199, 62-71	7	7
42	INVESTIGATION OF WINTER THERMAL ENVIRONMENT IN TRADITIONAL VERNACULAR HOUSES IN A MOUNTAIN AREA OF NEPAL. <i>Nihon Kenchiku Gakkai Keikakukei Ronbunshu</i> , <b>2001</b> , 66, 37-44	0.2	7
41	Sustainable Houses and Living in the Hot-Humid Climates of Asia <b>2018</b> ,		7
40	The range and shape of thermal comfort and resilience. <i>Energy and Buildings</i> , <b>2020</b> , 224, 110277	7	6

39	Study on wintry comfort temperature and thermal improvement of houses in cold, temperate, and subtropical regions of Nepal. <i>Building and Environment</i> , <b>2021</b> , 191, 107569	6.5	6
38	Analysis on electricity use and indoor thermal environment for typical air-conditioning residential buildings in Malaysia. <i>Urban Climate</i> , <b>2021</b> , 37, 100830	6.8	6
37	Determinant Factors of Electricity Consumption for a Malaysian Household Based on a Field Survey. <i>Sustainability</i> , <b>2021</b> , 13, 818	3.6	6
36	STUDY ON THE COMFORT TEMPERATURE AND THERMAL ADAPTATION IN LIVING ROOMS IN SUMMER. <i>Journal of Environmental Engineering (Japan)</i> , <b>2015</b> , 80, 13-20	0.3	5
35	SUMMER THERMAL ENVIRONMENT IN TRADITIONAL VERNACULAR HOUSES IN SEVERAL AREAS OF NEPAL. <i>Nihon Kenchiku Gakkai Keikakukei Ronbunshu</i> , <b>2002</b> , 67, 41-48	0.2	5
34	Hourly Firewood Consumption Patterns and CO2 Emission Patterns in Rural Households of Nepal. <i>Designs</i> , <b>2020</b> , 4, 46	1.8	5
33	Visual Thermal Landscaping (VTL) Model: A Qualitative Thermal Comfort Approach based on the Context to Balance Energy and Comfort. <i>Energy Procedia</i> , <b>2019</b> , 158, 3119-3124	2.3	4
32	Designing for comfort at high temperatures. <i>Architectural Science Review</i> , <b>2015</b> , 58, 35-38	2.6	4
31	SUMMER AND WINTER THERMAL COMFORT OF NEPALESE IN HOUSES. <i>Nihon Kenchiku Gakkai Keikakukei Ronbunshu</i> , <b>2003</b> , 68, 17-24	0.2	4
30	Thermal Adaptation Outdoors and the Effect of Wind on Thermal Comfort. <i>Springer Geography</i> , <b>2012</b> , 33-58	0.4	4
29	Energy Transition toward Cleaner Energy Resources in Nepal. <i>Sustainability</i> , <b>2021</b> , 13, 4243	3.6	4
28	Field study of pedestrians' comfort temperatures under outdoor and semi-outdoor conditions in Malaysian university campuses. <i>International Journal of Biometeorology</i> , <b>2021</b> , 65, 453-477	3.7	4
27	STUDY ON MODELING OF THE CONSCIOUSNESS, BEHAVIOR AND DESIRED INFORMATION OF OCCUPANTS IN RELATION TO ENERGY SAVING. <i>Journal of Environmental Engineering (Japan)</i> , <b>2019</b> , 84, 93-101	0.3	3
26	Comfort Temperature and Adaptive Model in Japanese Dwellings <b>2018</b> , 185-193		3
25	Development of Single and Combined Fan-Use Models in Japanese Dwellings. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 294, 012078	0.3	2
24	Review on the Importance of Gender Perspective in Household Energy-Saving Behavior and Energy Transition for Sustainability. <i>Energies</i> , <b>2021</b> , 14, 7571	3.1	2
23	DEVELOPMENT OF AN INTEGRATED BEHAVIOURAL MODEL ON THE CONTROL OF WINDOW, HEATING AND COOLING IN DWELLINGS OF KANTO REGION. <i>Journal of Environmental Engineering (Japan)</i> , <b>2019</b> , 84, 855-864	0.3	2
22	Energy-Saving and CO2-Emissions-Reduction Potential of a Fuel Cell Cogeneration System for Condominiums Based on a Field Survey. <i>Energies</i> , <b>2021</b> , 14, 6611	3.1	2

21	IMPROVEMENT OF WINTER THERMAL ENVIRONMENT IN A TRADITIONAL VERNACULAR HOUSE IN A MOUNTAIN AREA OF NEPAL : Investigation by simulation. <i>Journal of Environmental Engineering (Japan)</i> , <b>2005</b> , 70, 15-22	0.3	2
20	Window Opening Behaviour in Japanese Dwellings <b>2018</b> , 271-282		2
19	Study on Behavioural Adaptation for the Thermal Comfort and Energy Saving in Japanese Offices. <i>Journal of the Institute of Engineering</i> , <b>2020</b> , 15, 292-299	0.2	2
18	Behavioural Adaptation for the Thermal Comfort and Energy Saving in Japanese Offices. <i>Journal of the Institute of Engineering</i> , <b>2020</b> , 15, 14-25	0.2	2
17	Study on Adaptive Thermal Comfort in Naturally Ventilated Secondary School Buildings in Nepal. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 294, 012062	0.3	1
16	Detecting Anomalous Energy Consumption from Profiles. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 294, 012072	0.3	1
15	Thermal Mitigation of the Indoor and Outdoor Climate by Green Curtains in Japanese Condominiums. <i>Climate</i> , <b>2020</b> , 8, 8	3.1	1
14	Development of an Electrical Energy Consumption Model for Malaysian Households, Based on Techno-Socioeconomic Determinant Factors. <i>Sustainability</i> , <b>2021</b> , 13, 13258	3.6	1
13	Occupant Behaviour in the Various Climates of Nepal <b>2018</b> , 263-270		1
12	Effectiveness of a Cool Bed Linen for Thermal Comfort and Sleep Quality in Air-Conditioned Bedroom under Hot-Humid Climate. <i>Sustainability</i> , <b>2021</b> , 13, 9099	3.6	1
11	Study on winter indoor thermal environment of temporary shelters built in Nepal after massive earthquake 2015. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 294, 012029	0.3	0
10	Study on Winter Indoor Thermal Environment of Temporary Shelters Built in Nepal After Massive Earthquake 2015. <i>Journal of the Institute of Engineering</i> , <b>2020</b> , 15, 340-348	0.2	0
9	Field Study on Energy-Saving Behaviour and Patterns of Air-Conditioning Use in a Condominium. <i>Energies</i> , <b>2021</b> , 14, 8572	3.1	0
8	Associating thermal comfort and preference in Malaysian universities' air-conditioned office rooms under various set-point temperatures. <i>Journal of Building Engineering</i> , <b>2022</b> , 104575	5.2	0
7	Regional differences of wintry indoor thermal environment of traditional houses in Nepal. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 294, 012034	0.3	
6	Firewood Consumption in Nepal <b>2018</b> , 335-344		
5	Nepal: Traditional Houses <b>2018</b> , 59-66		
4	Comfort Temperature and Adaptive Model in Traditional Houses of Nepal <b>2018</b> , 175-184		

3 Passive Cooling of the Traditional Houses of Nepal **2018**, 397-406

2 Importance of Behavioral Adjustments for Adaptive Thermal Comfort in a Condominium with HEMS System. *Journal of the Institute of Engineering*, **2020**, 15, 163-170 0.2

1 Field Study on Adaptive Thermal Comfort in Naturally Ventilated Secondary School Buildings in Nepal. *Journal of the Institute of Engineering*, **2020**, 15, 317-325 0.2