

# Thermal and visual performance of real and theoretical for office buildings

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of atmospheric transmittance on performance of adaptive SPD-vacuum switchable glazing. Solar Energy Materials and Solar Cells, 2017, 161, 424-431.	3.0	31
2	Infrared Regulating Smart Window Based on Organic Materials. Advanced Energy Materials, 2017, 7, 1602209.	10.2	286
3	Effect of sky clearness index on transmission of evacuated (vacuum) glazing. Renewable Energy, 2017, 105, 160-166.	4.3	40
4	The role of shading devices to improve thermal and visual comfort in existing glazed buildings. Energy Procedia, 2017, 134, 346-355.	1.8	33
5	Thermal and optical characterisation of dynamic shading systems with PCMs through laboratory experimental measurements. Energy and Buildings, 2018, 163, 92-110.	3.1	19
6	Daylight characteristics of a polymer dispersed liquid crystal switchable glazing. Solar Energy Materials and Solar Cells, 2018, 174, 572-576.	3.0	56
7	Simulation tools application for artificial lighting in buildings. Renewable and Sustainable Energy Reviews, 2018, 82, 3007-3026.	8.2	48
8	Evaluation of optical properties and protection factors of a PDLC switchable glazing for low energy building integration. Solar Energy Materials and Solar Cells, 2018, 176, 391-396.	3.0	73
9	Application of Wall and Insulation Materials on Green Building: A Review. Sustainability, 2018, 10, 3331.	1.6	61
10	Elucidating the Crystallite Size Dependence of the Thermochromic Properties of Nanocomposite VO <sub>2</sub> Thin Films. ACS Omega, 2018, 3, 14280-14293.	1.6	14
12	Thermochromic glazing performance: From component experimental characterisation to whole building performance evaluation. Applied Energy, 2019, 251, 113335.	5.1	37
13	Impact of Low-E Window Films on Energy Consumption and CO2 Emissions of an Existing UK Hotel Building. Sustainability, 2019, 11, 4265.	1.6	27
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15	Thermochromic smart window technologies for building application: A review. Applied Energy, 2019, 255, 113522.	5.1	230
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18	The Challenge for Building Integration of Highly Transparent Photovoltaics and Photoelectrochromic Devices. Energies, 2020, 13, 1929.	1.6	26
19	Driving issues of large area liquid crystal devices. Liquid Crystals, 2021, 48, 281-294.	0.9	3

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20	Building performance of thermochromic glazing. , 2021, , 401-437.		1
21	'Smart' light-reflective windows based on temperature responsive twisted nematic liquid crystal polymers. Journal of Polymer Science, 2021, 59, 1278-1284.	2.0	14
22	Optimization of the thermochromic glazing design for curtain wall buildings based on experimental measurements and dynamic simulation. Solar Energy, 2021, 216, 14-25.	2.9	23
23	Current and future coating technologies for architectural glazing applications. Energy and Buildings, 2021, 244, 111022.	3.1	55
24	Experimental characterisation of a smart glazing with tuneable transparency, light scattering ability and electricity generation function. Applied Energy, 2021, 303, 117521.	5.1	14
25	Energetic Forms of Matter. Advances in Civil and Industrial Engineering Book Series, 2019, , 137-165.	0.2	0
26	Numerical analysis on the thermal performance of PCM-integrated thermochromic glazing systems. Energy and Buildings, 2022, 257, 111734.	3.1	18
27	Design optimization of smart glazing optical properties for office spaces. Applied Energy, 2022, 308, 118411.	5.1	4
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