

# Cristina Becchio

## List of Publications by Year in descending order

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Version: 2024-02-01

98  
papers

3,441  
citations

147801

31  
h-index

149698

56  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wired to Be Social: The Ontogeny of Human Interaction. PLoS ONE, 2010, 5, e13199.	2.5	185
2	Toward You. Current Directions in Psychological Science, 2010, 19, 183-188.	5.3	182
3	Different action patterns for cooperative and competitive behaviour. Cognition, 2007, 102, 415-433.	2.2	170
4	Cues to intention: The role of movement information. Cognition, 2011, 119, 242-252.	2.2	149
5	Both your intention and mine are reflected in the kinematics of my reach-to-grasp movement. Cognition, 2008, 106, 894-912.	2.2	138
6	Social grasping: From mirroring to mentalizing. NeuroImage, 2012, 61, 240-248.	4.2	128
7	The case of Dr. Jekyll and Mr. Hyde: A kinematic study on social intention. Consciousness and Cognition, 2008, 17, 557-564.	1.5	126
8	Grasping intentions: from thought experiments to empirical evidence. Frontiers in Human Neuroscience, 2012, 6, 117.	2.0	126
9	How the gaze of others influences object processing. Trends in Cognitive Sciences, 2008, 12, 254-258.	7.8	109
10	Does the intention to communicate affect action kinematics?. Consciousness and Cognition, 2009, 18, 766-772.	1.5	103
11	Cooperation or competition? Discriminating between social intentions by observing prehensile movements. Experimental Brain Research, 2011, 211, 547-556.	1.5	99
12	Inferring intentions from biological motion: A stimulus set of point-light communicative interactions. Behavior Research Methods, 2010, 42, 168-178.	4.0	95
13	Modulation of the action control system by social intention: Unexpected social requests override preplanned action.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1490-1500.	0.9	91
14	Cost optimality assessment of a single family house: Building and technical systems solutions for the nZEB target. Energy and Buildings, 2015, 90, 173-187.	6.7	83
15	A review of select human-building interfaces and their relationship to human behavior, energy use and occupant comfort. Building and Environment, 2020, 178, 106920.	6.9	79
16	Communicative Interactions Improve Visual Detection of Biological Motion. PLoS ONE, 2011, 6, e14594.	2.5	76
17	Motor contagion from gaze: the case of autism. Brain, 2007, 130, 2401-2411.	7.6	70
18	When Gaze Turns into Grasp. Journal of Cognitive Neuroscience, 2006, 18, 2130-2137.	2.3	69

#	ARTICLE	IF	CITATIONS
19	Seeing mental states: An experimental strategy for measuring the observability of other minds. <i>Physics of Life Reviews</i> , 2018, 24, 67-80.	2.8	63
20	Decision making for sustainable urban energy planning: an integrated evaluation framework of alternative solutions for a NZED (Net Zero-Energy District) in Turin. <i>Land Use Policy</i> , 2018, 78, 803-817.	5.6	59
21	Improving environmental sustainability of concrete products: Investigation on MWC thermal and mechanical properties. <i>Energy and Buildings</i> , 2009, 41, 1127-1134.	6.7	57
22	The role of nearly-zero energy buildings in the transition towards Post-Carbon Cities. <i>Sustainable Cities and Society</i> , 2016, 27, 324-337.	10.4	50
23	Grasping with Tools: Corticospinal Excitability Reflects Observed Hand Movements. <i>Cerebral Cortex</i> , 2012, 22, 710-716.	2.9	46
24	Occupant behavior lifestyles in a residential nearly zero energy building: Effect on energy use and thermal comfort. <i>Science and Technology for the Built Environment</i> , 2016, 22, 960-975.	1.7	46
25	How the brain understands intention: Different neural circuits identify the componential features of motor and prior intentions. <i>Consciousness and Cognition</i> , 2006, 15, 64-74.	1.5	45
26	The Second-Agent Effect: Communicative Gestures Increase the Likelihood of Perceiving a Second Agent. <i>PLoS ONE</i> , 2011, 6, e22650.	2.5	42
27	The cost-optimal methodology for the energy retrofit of an ex-industrial building located in Northern Italy. <i>Energy and Buildings</i> , 2016, 127, 590-602.	6.7	39
28	A comprehensive cost-optimal approach for energy retrofit of existing multi-family buildings: Application to apartment blocks in Turkey. <i>Energy and Buildings</i> , 2017, 150, 224-238.	6.7	36
29	Action Observation Areas Represent Intentions From Subtle Kinematic Features. <i>Cerebral Cortex</i> , 2018, 28, 2647-2654.	2.9	36
30	A review of Nigerian energy access studies: The story told so far. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109646.	16.4	35
31	Time and neglect: Abnormal temporal dynamics in unilateral spatial neglect. <i>Neuropsychologia</i> , 2006, 44, 2775-2782.	1.6	33
32	Time Will Show: Real Time Predictions during Interpersonal Action Perception. <i>PLoS ONE</i> , 2013, 8, e54949.	2.5	32
33	The kinematics that you do not expect: Integrating prior information and kinematics to understand intentions. <i>Cognition</i> , 2019, 182, 213-219.	2.2	32
34	Observing social interactions: The effect of gaze. <i>Social Neuroscience</i> , 2008, 3, 51-59.	1.3	31
35	Of comfort and cost: Examining indoor comfort conditions and guests' valuations in Italian hotel rooms. <i>Energy Research and Social Science</i> , 2017, 32, 94-111.	6.4	31
36	Wittgenstein running: Neural mechanisms of collective intentionality and we-mode. <i>Consciousness and Cognition</i> , 2004, 13, 123-133.	1.5	30

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37	Grasping others's movements: Rapid discrimination of object size from observed hand movements.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 918-929.	0.9	30
38	Occupant behaviour lifestyles and effects on building energy use: Investigation on high and low performing building features. Energy Procedia, 2017, 140, 93-101.	1.8	30
39	The bilocated mind: new perspectives on self-localization and self-identification. Frontiers in Human Neuroscience, 2013, 7, 71.	2.0	27
40	NZEB, cost- and comfort-optimal retrofit solutions for an Italian Reference Hotel. Energy Procedia, 2017, 140, 217-230.	1.8	27
41	Transient Disruption of the Inferior Parietal Lobule Impairs the Ability to Attribute Intention to Action. Current Biology, 2020, 30, 4594-4605.e7.	3.9	27
42	Movement kinematics drive chain selection toward intention detection. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10452-10457.	7.1	25
43	In your place: neuropsychological evidence for altercentric remapping in embodied perspective taking. Social Cognitive and Affective Neuroscience, 2013, 8, 165-170.	3.0	23
44	The Influence of Energy Targets and Economic Concerns in Design Strategies for a Residential Nearly-Zero Energy Building. Buildings, 2014, 4, 937-962.	3.1	21
45	nZEB Design: Challenging between Energy and Economic Targets. Energy Procedia, 2015, 78, 2070-2075.	1.8	21
46	Toward NZEB by optimizing HVAC system configuration in different climates. Energy Procedia, 2017, 140, 115-126.	1.8	21
47	Designing a decision support system to evaluate the environmental and extra-economic performances of a nearly zero-energy building. Smart and Sustainable Built Environment, 2020, 9, 413-442.	4.0	21
48	A MCDA-Based Approach for Evaluating Alternative Requalification Strategies for a Net-Zero Energy District (NZED). Multiple Criteria Decision Making, 2017, , 189-211.	0.8	19
49	The Cost Optimal Methodology for Evaluating the Energy Retrofit of an ex-industrial Building in Turin. Energy Procedia, 2015, 78, 1039-1044.	1.8	17
50	Cost-optimal and indoor environmental quality assessment for residential buildings towards EU long-term climate targets. Energy for Sustainable Development, 2020, 59, 49-61.	4.5	17
51	Perception of Shadows in Children with Autism Spectrum Disorders. PLoS ONE, 2010, 5, e10582.	2.5	15
52	HVAC solutions for energy retrofitted hotel in Mediterranean area. Energy Procedia, 2017, 133, 145-157.	1.8	14
53	Transfer of interfered motor patterns to self from others. European Journal of Neuroscience, 2006, 23, 1949-1955.	2.6	13
54	Are You Approaching Me? Motor Execution Influences Perceived Action Orientation. PLoS ONE, 2012, 7, e37514.	2.5	13

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55	The Non-Problem of the Other Minds: A Neurodevelopmental Perspective on Shared Intentionality. <i>Human Development</i> , 2008, 51, 336-348.	2.0	12
56	Visuomotor resonance in autism spectrum disorders. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 110.	2.1	12
57	Proposal for a Modified Cost-optimal Approach by Introducing Benefits Evaluation. <i>Energy Procedia</i> , 2015, 82, 445-451.	1.8	12
58	Energy, economic and environmental modelling for supporting strategic local planning. <i>Procedia Engineering</i> , 2017, 205, 35-42.	1.2	12
59	Motor ontology in representing gaze-object relations. <i>Neuroscience Letters</i> , 2008, 430, 246-251.	2.1	11
60	Evaluating Health Benefits of Urban Energy Retrofitting: An Application for the City of Turin. <i>Green Energy and Technology</i> , 2018, , 281-304.	0.6	11
61	The heaviness of invisible objects: Predictive weight judgments from observed real and pantomimed grasps. <i>Cognition</i> , 2017, 168, 140-145.	2.2	10
62	The Energy Center Initiative at Politecnico di Torino: Practical experiences on energy efficiency measures in the municipality of Torino. <i>International Journal of Heat and Technology</i> , 2017, 35, S196-S204.	0.6	10
63	Potential for social involvement modulates activity within the mirror and the mentalizing systems. <i>Scientific Reports</i> , 2017, 7, 14967.	3.3	9
64	Intersecting kinematic encoding and readout of intention in autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
65	How the brain responds to the destruction of money.. <i>Journal of Neuroscience, Psychology, and Economics</i> , 2011, 4, 1-10.	1.0	8
66	Design and Construction of an nZEB in Piedmont Region, North Italy. <i>Energy Procedia</i> , 2015, 78, 1925-1930.	1.8	8
67	Application of the LEED PRM to an Italian Existing Building. <i>Energy Procedia</i> , 2014, 62, 141-149.	1.8	7
68	The Impact of Users' Lifestyle in Zero-Energy and Emission Buildings: An Application of Cost-Benefit Analysis. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 123-131.	0.6	7
69	Exploitation of dynamic simulation to investigate the effectiveness of the Smart Readiness Indicator: application to the Energy Center building of Turin. <i>Science and Technology for the Built Environment</i> , 2021, 27, 1127-1143.	1.7	7
70	Towards Post-Carbon Cities: Which retrofit scenarios for hotels in Italy?. <i>Renewable Energy</i> , 2021, 163, 950-963.	8.9	7
71	An application of the PROMETHEE II method for the comparison of energy requalification strategies to design Post-Carbon Cities. <i>AIMS Energy</i> , 2022, 10, 553-581.	1.9	7
72	The ontology of neglect. <i>Consciousness and Cognition</i> , 2005, 14, 483-494.	1.5	6

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73	Evaluation of refurbishment alternatives for an Italian vernacular building considering architectural heritage, energy efficiency and costs. Energy Procedia, 2017, 133, 401-411.	1.8	6
74	Sensorimotor communication at the intersection between kinematic coding and readout. Physics of Life Reviews, 2019, 28, 39-42.	2.8	6
75	And Yet It Moves: What We Currently Know about Phantom Arm Movements. Neuroscientist, 2020, 26, 328-342.	3.5	6
76	Object temporal connotation. Brain and Cognition, 2003, 52, 192-196.	1.8	5
77	The Role of Nearly-zero Energy Buildings in the Definition of Post- Carbon Cities. Energy Procedia, 2015, 78, 687-692.	1.8	5
78	Influence of Occupant Behaviour Lifestyle on an Italian Social Housing. Energy Procedia, 2016, 101, 1034-1041.	1.8	5
79	A decision-making process to support public administrations in defining local energy policies. Thermal Science and Engineering Progress, 2018, 6, 398-409.	2.7	5
80	Linking Dynamic Building Simulation with Long-Term Energy System Planning to Improve Buildings Urban Energy Planning Strategies. Smart Cities, 2020, 3, 1242-1265.	9.4	5
81	Replicability of nZEBs on Real Estate Market in Mediterranean Countries. Energy Procedia, 2015, 82, 452-457.	1.8	4
82	The Polyvalent heat pumps technology in retrofit of existing HVAC systems. Energy Procedia, 2017, 133, 158-170.	1.8	4
83	The effects of indoor and outdoor air pollutants on workersâ€™ productivity in office building. E3S Web of Conferences, 2019, 111, 02057.	0.5	4
84	Integrated Assessments and Energy Retrofit: The Contribution of the Energy Center Lab of the Politecnico di Torino. Green Energy and Technology, 2020, , 365-384.	0.6	4
85	Effects on energy savings and occupant health of an antibacterial filter. E3S Web of Conferences, 2019, 111, 02056.	0.5	3
86	Costs and benefits of communicating vigor. Behavioral and Brain Sciences, 2021, 44, e124.	0.7	3
87	Energy And Financial Evaluation Of Thermal Comfort. The Case Study Of The Hotel Residence Lâ€™Orologio. , 0, , .		2
88	The observability principle and beyond. Physics of Life Reviews, 2018, 24, 114-117.	2.8	1
89	Graphical visualization of behavioural patterns in relation to indoor environment quality and energy use. E3S Web of Conferences, 2019, 111, 04060.	0.5	1
90	Proposal for an Integrated Approach to Support Urban Sustainability: The COSIMA Method Applied to Eco-Districts. Green Energy and Technology, 2021, , 37-47.	0.6	1

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91	An advanced envelope retrofit option to increase solar gain and ventilation through facade for reducing energy demand of residence buildings. A   Z ITU Journal of Faculty of Architecture, 2017, 14, 119-130.	0.1	1
92	Energy Audit and Multi-criteria Decision Analysis to Identify Sustainable Strategies in the University Campuses: Application to Politecnico di Torino. Smart Innovation, Systems and Technologies, 2021, , 1187-1197.	0.6	1
93	Calibration of a building energy model using operation conditions derived from monitoring. E3S Web of Conferences, 2019, 111, 03073.	0.5	0
94	Evaluating the Health-Related Social Costs Associated with the Thermal Uses of the Residential Sector: The Case of Turin. Lecture Notes in Computer Science, 2021, , 642-654.	1.3	0
95	Profiling Occupant Behaviour in Italian Households for enhanced building simulation input: Insights into a Survey-based Investigation. , 0, , .		0
96	Retrofit Scenarios for Emissions Reduction in Italian Hotels Towards a Post-Carbon City. , 0, , .		0
97	A CBA-based Model To Evaluate The Retrofit Of A Reference District. , 0, , .		0
98	A Transcutaneous Fetal Visual Stimulator. IEEE Access, 2022, 10, 45979-45996.	4.2	0