Marta Bottero

List of Publications by Year
in descending order

116 papers	2,228 citations	236925 25 h-index	276875 41 g-index
123 all docs	123 docs citations	123 times ranked	1726 citing authors

#	Article	IF	Citations
1	Application of the Analytic Hierarchy Process and the Analytic Network Process for the assessment of different wastewater treatment systems. Environmental Modelling and Software, 2011, 26, 1211-1224.	4.5	168
2	Decision making and cultural heritage: An application of the Multi-Attribute Value Theory for the reuse of historical buildings. Journal of Cultural Heritage, 2014, 15, 644-655.	3.3	160
3	Ranking of Adaptive Reuse Strategies for Abandoned Industrial Heritage in Vulnerable Contexts: A Multiple Criteria Decision Aiding Approach. Sustainability, 2019, 11, 785.	3.2	99
4	Integrating multicriteria evaluation and stakeholders analysis for assessing hydropower projects. Energy Policy, 2014, 67, 870-881.	8.8	70
5	The application of a Multicriteria Spatial Decision Support System (MCSDSS) for the assessment of biodiversity conservation in the Province of Varese (Italy). Land Use Policy, 2013, 30, 730-738.	5.6	59
6	Exploring the environmental value of ecosystem services for a river basin through a spatial multicriteria analysis. Land Use Policy, 2014, 36, 381-395.	5.6	59
7	Decision making for sustainable urban energy planning: an integrated evaluation framework of alternative solutions for a NZED (Net Zero-Energy District) in Turin. Land Use Policy, 2018, 78, 803-817.	5.6	59
8	On the Choquet multiple criteria preference aggregation model: Theoretical and practical insights from a real-world application. European Journal of Operational Research, 2018, 271, 120-140.	5.7	56
9	Sustainable Cities: A Reflection on Potentialities and Limits based on Existing Eco-Districts in Europe. Sustainability, 2019, 11, 5794.	3.2	49
10	Giving space to multicriteria analysis for complex cultural heritage systems: The case of the castles in Valle D'Aosta Region, Italy. Journal of Cultural Heritage, 2015, 16, 779-789.	3.3	42
11	Non Additive Robust Ordinal Regression for urban and territorial planning: an application for siting an urban waste landfill. Annals of Operations Research, 2016, 245, 427-456.	4.1	41
12	The combined use of Spatial Multicriteria Evaluation and stakeholders analysis for supporting the ecological planning of a river basin. Land Use Policy, 2016, 58, 183-195.	5.6	40
13	Green premium in buildings: Evidence from the real estate market of Singapore. Journal of Cleaner Production, 2021, 286, 125327.	9.3	38
14	A mixed methods approach for the integration of urban design and economic evaluation: Industrial heritage and urban regeneration in China. Environment and Planning B: Urban Analytics and City Science, 2018, 45, 208-232.	2.0	36
15	EPC Green Premium in Two Different European Climate Zones: A Comparative Study between Barcelona and Turin. Sustainability, 2019, 11, 5605.	3.2	36
16	Operationalising resilience: A methodological framework for assessing urban resilience through System Dynamics Model. Ecological Modelling, 2022, 465, 109851.	2.5	36
17	An analytic network process–based approach for location problems: the case of a new waste incinerator plant in the Province of Torino (Italy). Journal of Multi-Criteria Decision Analysis, 2010, 17, 63-84.	1.9	35
18	A decision support system for territorial resilience assessment and planning: An application to the Douro Valley (Portugal). Science of the Total Environment, 2021, 756, 143806.	8.0	35

#	ARTICLE	IF	CITATIONS
19	A multi-methodological approach for assessing sustainability of urban projects. Management of Environmental Quality, 2015, 26, 138-154.	4.3	33
20	Dynamic Models for Exploring the Resilience in Territorial Scenarios. Sustainability, 2020, 12, 3.	3.2	31
21	Experimenting community impact evaluation (CIE) for assessing urban regeneration programmes: The case study of the area 22@ Barcelona. Cities, 2020, 99, 102464.	5.6	31
22	A System Dynamics Model and Analytic Network Process: An Integrated Approach to Investigate Urban Resilience. Land, 2020, 9, 242.	2.9	30
23	An appraisal of analytic network process and its role in sustainability assessment in Northern Italy. Management of Environmental Quality, 2008, 19, 642-660.	4.3	29
24	Addressing complex challenges in transformations and planning: A fuzzy spatial multicriteria analysis for identifying suitable locations for urban infrastructures. Land Use Policy, 2021, 102, 105147.	5.6	29
25	Decision making in urban development: The application of a hybrid evaluation method for a critical area in the city of Turin (Italy). Sustainable Cities and Society, 2021, 72, 103028.	10.4	29
26	Definition of a Risk Assessment Model within a European Interoperable Database Platform (EID) for Cultural Heritage. Journal of Cultural Heritage, 2020, 46, 268-277.	3.3	28
27	Integrating the analytic network process (ANP) and the driving force–pressure–state–impact–responses (DPSIR) model for the sustainability assessment of territorial transformations. Management of Environmental Quality, 2010, 21, 618-644.	4.3	26
28	Multicriteria Evaluation of Urban Regeneration Processes: An Application of PROMETHEE Method in Northern Italy. Advances in Operations Research, 2018, 2018, 1-12.	0.4	26
29	Addressing Social Sustainability in Urban Regeneration Processes. An Application of the Social Multi-Criteria Evaluation. Sustainability, 2020, 12, 7579.	3.2	25
30	Evaluating the Transition Towards Post-Carbon Cities: A Literature Review. Sustainability, 2021, 13, 567.	3.2	25
31	Urban Green infrastructures: How much did they affect property prices in Singapore?. Urban Forestry and Urban Greening, 2022, 68, 127475.	5.3	25
32	An integrated evaluation methodology to measure ecological and economic landscape states for territorial transformation scenarios: an application in Piedmont (Italy). Ecological Indicators, 2019, 105, 156-165.	6.3	24
33	The use of the Analytic Hierarchy Process for the comparison between microtunnelling and trench excavation. Tunnelling and Underground Space Technology, 2005, 20, 501-513.	6.2	23
34	Decision Support Systems for Evaluating Urban Regeneration. Procedia, Social and Behavioral Sciences, 2016, 223, 923-928.	0.5	23
35	Supporting public decision process in buildings energy retrofitting operations: The application of a Multiple Criteria Decision Aiding model to a case study in Southern Italy. Sustainable Cities and Society, 2020, 60, 102214.	10.4	23
36	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

#	Article	IF	Citations
37	Strategic Assessment and Economic Evaluation: The Case Study of Yanzhou Island (China). Sustainability, 2019, 11, 1076.	3.2	21
38	Hybrid evaluation approaches for urban regeneration processes of landfills and industrial sites: the case of the Kwun Tong area in Hong Kong. Land Use Policy, 2019, 82, 585-594.	5.6	21
39	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
40	A Multidisciplinary Sustainability Evaluation System for Operative and In-Design Hospitals. Green Energy and Technology, 2015, , 31-114.	0.6	21
41	Urban parks, value uplift and green gentrification: An application of the spatial hedonic model in the city of Brisbane. Urban Forestry and Urban Greening, 2022, 74, 127618.	5.3	20
42	Turin 2006 Olympic Winter Games: impacts and legacies from a tourism perspective. Journal of Tourism and Cultural Change, 2012, 10, 202-217.	2.8	19
43	Assessing Different Possibilities for the Reuse of an Open‐pit Quarry Using the Choquet Integral. Journal of Multi-Criteria Decision Analysis, 2014, 21, 25-41.	1.9	19
44	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
45	Landscape Economic Attractiveness: An Integrated Methodology for Exploring the Rural Landscapes in Piedmont (Italy). Land, 2019, 8, 105.	2.9	19
46	An Application of the A'WOT Analysis for the Management of Cultural Heritage Assets: The Case of the Historical Farmhouses in the Agliè Castle (Turin). Sustainability, 2020, 12, 1071.	3.2	19
47	Analytic Network Process and sustainable mobility: an application for the assessment of different scenarios. Journal of Urbanism, 2010, 3, 275-293.	0.9	17
48	Addressing the Location of Undesirable Facilities through the Dominance‐based Rough Set Approach. Journal of Multi-Criteria Decision Analysis, 2014, 21, 3-23.	1.9	17
49	Healthcare Sustainability Challenge. Green Energy and Technology, 2015, , 1-9.	0.6	17
50	Designing Adaptive Reuse Strategies for Cultural Heritage with Choice Experiments. Green Energy and Technology, 2017, , 303-315.	0.6	17
51	From the environmental debt to the environmental loan: trends and future challenges for intergenerational discounting. Environment, Development and Sustainability, 2013, 15, 1623-1644.	5.0	15
52	Boosting Investments in Buildings Energy Retrofit: The Role of Incentives. Smart Innovation, Systems and Technologies, 2019, , 593-600.	0.6	14
53	The reintroduction of Castor fiber in Piedmont (Italy): An integrated SWOT-spatial multicriteria based approach for the analysis of suitability scenarios. Ecological Indicators, 2020, 118, 106748.	6.3	13
54	A Choquet integral-based approach for assessing the sustainability of a new waste incinerator. International Journal of Multicriteria Decision Making, 2013, 3, 157.	0.2	12

#	Article	IF	Citations
55	Supporting Policy Design for the Diffusion of Cleaner Technologies: A Spatial Empirical Agent-Based Model. ISPRS International Journal of Geo-Information, 2020, 9, 581.	2.9	12
56	Evaluating Tangible and Intangible Aspects of Cultural Heritage: An Application of the PROMETHEE Method for the Reuse Project of the Ceva–Ormea Railway. Green Energy and Technology, 2018, , 285-295.	0.6	12
57	A multi-methodological evaluation approach for assessing the impact of neighbourhood quality on public health. Epidemiologia E Prevenzione, 2016, 40, 249-56.	1.1	11
58	Evaluation of Ecosystem Services in Mining Basins: An Application in the Piedmont Region (Italy). Sustainability, 2022, 14, 872.	3.2	11
59	How Urban Resilience Can Change Cities: A System Dynamics Model Approach. Lecture Notes in Computer Science, 2019, , 108-122.	1.3	10
60	Group Analytic Hierarchy Process Sorting II Method: An Application to Evaluate the Economic Value of a Wine Region Landscape. Environmental Modeling and Assessment, 2021, 26, 355-369.	2.2	10
61	The Energy Center Initiative at Politecnico di Torino: Practical experiences on energy efficiency measures in the municipality of Torino. International Journal of Heat and Technology, 2017, 35, S196-S204.	0.6	10
62	Dominance-based rough set approach and analytic network process for assessing urban transformation scenarios. International Journal of Multicriteria Decision Making, 2013, 3, 212.	0.2	9
63	A PROMETHEE-based approach for designing the reuse of an abandoned railway in the Monferrato Region, Italy. International Journal of Multicriteria Decision Making, 2019, 8, 60.	0.2	9
64	Urban Problems and Patterns of Change: The Analysis of a Downgraded Industrial Area in Turin. Green Energy and Technology, 2020, , 385-401.	0.6	9
65	A geodatabase for supporting planning and management of mining activities: the case of Piedmont Region. Environmental Earth Sciences, 2020, 79, 1.	2.7	8
66	Landscape Economic Value for Territorial Scenarios of Change: An Application for the Unesco Site of Langhe, Roero and Monferrato. Procedia, Social and Behavioral Sciences, 2016, 223, 549-554.	0.5	7
67	The Impact of Users' Lifestyle in Zero-Energy and Emission Buildings: An Application of Cost-Benefit Analysis. Smart Innovation, Systems and Technologies, 2019, , 123-131.	0.6	7
68	A choice experiment for testing the energy-efficiency mortgage as a tool for promoting sustainable finance. Energy Efficiency, 2022, 15, 27.	2.8	7
69	An application of the PROMETHEE II method for the comparison of energy requalification strategies to design Post-Carbon Cities. AIMS Energy, 2022, 10, 553-581.	1.9	7
70	Climate Change and Urban Resilience. Preliminary Insights from an Integrated Evaluation Framework. Smart Innovation, Systems and Technologies, 2021, , 676-685.	0.6	6
71	Urban Ecosystem Services: A Review of Definitions and Classifications for the Identification of Future Research Perspectives. Lecture Notes in Computer Science, 2020, , 332-344.	1.3	6
72	Constructing Multi-attribute Value Functions for Sustainability Assessment of Urban Projects. Lecture Notes in Computer Science, 2014, , 51-64.	1.3	6

#	Article	IF	Citations
73	Exploring the Resilience of Urban Systems Using Fuzzy Cognitive Maps. Lecture Notes in Computer Science, 2017, , 338-353.	1.3	6
74	Sustainability assessment of large dams: the case of a hydropower plant in Bulgaria. Management of Environmental Quality, 2013, 24, 178-198.	4.3	5
75	Energy Efficiency Choices and Residential Sector: Observable Behaviors and Valuation Models. Green Energy and Technology, 2020, , 167-179.	0.6	5
76	Evaluating the Urban Quality Through a Hybrid Approach: Application in the Milan (Italy) City Area. Lecture Notes in Computer Science, 2020, , 300-315.	1.3	5
77	Assessing the Landscape Value: An Integrated Approach to Measure the Attractiveness and Pressures of the Vineyard Landscape of Piedmont (Italy). Smart Innovation, Systems and Technologies, 2019, , 251-259.	0.6	5
78	A Spatial Decision Support Tool to Study Risks and Opportunities of Complex Environmental Systems. Journal of Environmental Accounting and Management, 2015, 3, 197-212.	0.5	5
79	Exploring the Redundancy Capacity Through a System Dynamics Approach. Lecture Notes in Computer Science, 2020, , 366-378.	1.3	5
80	Enhancing Urban Resilience Capacities: An Analytic Network Process-based Application. Environmental and Climate Technologies, 2021, 25, 1270-1283.	1.4	5
81	Documenting cultural heritage in an INSPIRE-based 3D GIS for risk and vulnerability analysis. Journal of Cultural Heritage Management and Sustainable Development, 2022, ahead-of-print, .	0.9	5
82	Scenario building model to support the resilience planning of winemaking regions: The case of the Douro territory (Portugal). Science of the Total Environment, 2022, , 155889.	8.0	5
83	The effects of indoor and outdoor air pollutants on workers' productivity in office building. E3S Web of Conferences, 2019, 111, 02057.	0.5	4
84	Decision-Making for Urban Planning and Regional Development. Advances in Operations Research, 2019, 2019, 1-2.	0.4	4
85	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
86	Conflicting Values in Designing Adaptive Reuse for Cultural Heritage. A Case Study of Social Multicriteria Evaluation. Lecture Notes in Computer Science, 2017, , 607-623.	1.3	4
87	How to Support Strategic Decisions in Territorial Transformation Processes. International Journal of Agricultural and Environmental Information Systems, 2015, 6, 40-55.	2.0	4
88	Evaluation of the tourist demand in Management Plans for UNESCO sites: the case of the Cinque Terre Park (Italy). , 2006, , .		3
89	Towards Smart and Sustainable Communities. Advanced Engineering Forum, 0, 11, 131-135.	0.3	3
90	Assessing Socio-Economic Sustainability of Urban Regeneration Programs: An Integrated Approach. Green Energy and Technology, 2017, , 165-184.	0.6	3

#	Article	IF	Citations
91	Governance and Urban Development Processes: Evaluating the Influence of Stakeholders Through a Multi-criteria Approach—The Case Study of Trieste. Green Energy and Technology, 2018, , 503-522.	0.6	3
92	Effects on energy savings and occupant health of an antibacterial filter. E3S Web of Conferences, 2019, 111, 02056.	0.5	3
93	New Housing Preferences in the COVID-19 Era: A Best-to-Worst Scaling Experiment. Lecture Notes in Computer Science, 2021, , 120-129.	1.3	3
94	Ecosystem Services: From Bio-physical to Economic Values. Green Energy and Technology, 2020, , 37-50.	0.6	3
95	Valuing the Impact of Social Housing Renovation Programs: An Application of the Social Return on Investment (SROI). Green Energy and Technology, 2017, , 291-302.	0.6	3
96	The Use of Fuzzy Cognitive Maps for Evaluating the Reuse Project of Military Barracks in Northern Italy. Smart Innovation, Systems and Technologies, 2019, , 691-699.	0.6	3
97	Un modello di valutazione del rischio per il Patrimonio Culturale. RIV Rassegna Italiana Di Valutazione, 2019, , 121-148.	0.1	3
98	A Hybrid Evaluation Approach for Designing Complex Urban Scenarios: Application for the T.I.T. Area (China). Procedia, Social and Behavioral Sciences, 2016, 223, 929-935.	0.5	2
99	A strategic management based on multicriteria decision analysis: an application for the Alpine regions. International Journal of Multicriteria Decision Making, 2018, 7, 236.	0.2	2
100	Geographically Weighted Regression Models to Investigate Urban Infrastructures Impacts. Lecture Notes in Computer Science, 2021, , 599-613.	1.3	2
101	The Regeneration of a Shopping Center Starts from Consumers' Preferences: A Best-Worst Scaling Application. Lecture Notes in Computer Science, 2021, , 533-543.	1.3	2
102	The Economic Value of Landscape: An Application for a Rural Area in Northern Italy. Springer Briefs in Geography, 2014, , 89-104.	0.2	2
103	Choice Experiments: An Application for the Corona Verde Landscape in Turin (Italy). Lecture Notes in Computer Science, 2017, , 532-546.	1.3	2
104	A Literature Review on Construction Costs Estimation: Hot Topics and Emerging Trends. Green Energy and Technology, 2021, , 117-131.	0.6	2
105	Addressing Social Inclusion Within Urban Resilience: A System Dynamics Approach. Smart Innovation, Systems and Technologies, 2021, , 510-519.	0.6	2
106	From Indicators to Composite Indexes: An Application of the Multi-Attribute Value Theory for Assessing Sustainability. Advanced Engineering Forum, 2014, 11, 536-541.	0.3	1
107	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
108	Calculating Composite Indicators for Sustainability. Lecture Notes in Computer Science, 2015, , 20-35.	1.3	1

#	Article	IF	Citations
109	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
110	Multicriteria Spatial Analysis for Competitive Cultural Heritage in Fringe Areas: The Case of Valle dâ€™Aosta Vastles. Advanced Engineering Forum, 2014, 11, 579-584.	0.3	0
111	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
112	An Integrated Approach for Supporting the Evaluation of Transport Scenarios: The Area of Bellinzona (CH). SxI Springer Per L'Innovazione, 2014, , 177-203.	0.1	0
113	Public and Private Interests in Urban Regeneration Programs: The Case Study of Trieste Historic Centre. Lecture Notes in Computer Science, 2017, , 547-561.	1.3	0
114	Integrated sustainability approaches for the knowledge city: the case of the CollinaPo Man and Biosphere Reserve. , 2019, , 225-238.		0
115	Development of a Land Take Evaluation for a Recreative Park in Northern Italy. Smart Innovation, Systems and Technologies, 2021, , 643-651.	0.6	0
116	Re-Thinking Detroit: A Multicriteria-Based Approach for Adaptive Reuse for the Corktown District. Sustainability, 2022, 14, 8343.	3.2	0