Additional material for the article:
Relevance of the cell neighborhood size in landscape metrics evaluation and FOSS implementations, Paolo Zatelli , Stefano Gobbi, Clara Tattoni , Maria Giulia Cantiani, Nicola La Porta, Duccio Rocchini,, Nicola Zorzi and Marco Ciolli.

Title	Software	Cell neighborhood	Journal	Patch number	Largest patch index	Mean patch	Shannon index	Simpson index	Perc landscape	Patch density	Perimeter/area	Aggregation	Euclidean dist	Total edge	Edge density	Shape index	Fractal index	Mean nearest neigh	Total
Evaluating the cooling effects of green infrastructure: A systematic review of methods, indicators and data sources	FRAGSTATS	Not specified	Solar energy		1	1	1	1	1	1	1	1	1	1	1	1	1		13
Regional Index Of Ecological integrity	FRAGSTATS/vlate	Not specified	Ecological integrity	1		1				1				1	1			1	6
Impact of landscape patterns on ecological vulnerability and ecosystem service values: An empirical analysis of Yancheng Nature Reserve in China	FRAGSTATS	Not specified	Ecological indicators	1		1				1	1								4
Mediterranean urban forest interface classification: a quantitative method combining SPOT5 imagery and landscape ecology indices	FRAGSTATS	Not specified	Landscape and urban planning				1	1		1									3
Representing climate, disturbance, and vegetation interactions in landscape models	FRAGSTATS		Ecological modelling																
The emergence of slums: A contemporary view on simulation models	FRAGSTATS	Not specified	Environmental modelling and software	1	1											1		1	4
Mapping and interpreting historical land cover/land use changes in a Natura 2000 site using earth observational data: The case of Nestos delta, Greece	FRAGSTATS	Not specified	Applied geography	1			1					1				1			4
A free and open source programming library for landscape metrics calculations	New software	Not specified	Environmental modelling and software																
An ArcMap plug-in for calculating landscape metrics of vector data	New software	Not specified	Ecological informatics																
Analysis of the ecological vulnerability of the western	ArcGIS	Not specified	Acta ecologica sinica													1	1		2
Assessing riparian vegetation structure and the influence of land use using	Not specified	Not specified	Landscape and urban planning	1			1									1	1	1	4
Sensitivity of landscape pattern indices to input data characteristics	FRAGSTATS	Not specified	Landscape ecology	1		1	1	1	1	1				1	1	1	1	1	11
Beyond fragmentation the continuum model for fauna research and	FRAGSTATS	(1)	Forum																
Testing the relevance of binary, mosaic and continuous	Not specified	Not specified	Landscape ecology				1	1		1									3
Effects of thematic resolution on landscape pattern analysis	FRAGSTATS	Not specified	Landscape ecology		1	1	1			1	1			1	1	1			8
Detecting spatially non-stationary and scale-dependent relationships	FRAGSTATS	Not specified	Applied geography										1		1				2
Domains of scale in forest-landscape metrics: Implications	Not specified	Not specified	Acta oecologica				1			1							1		3
Effects of changing scale on landscape pattern analysis: scaling relations	FRAGSTATS	Not specified	Landscape ecology	1	1	1			1	1							1		6
Habitat fragmentation and its lasting impact	Not specified	Not specified	Applied ecology																
The behavior of landscape metrics commonly used in the study of habitat	FRAGSTATS	(2)	Landscape ecology									1	1			1	1	1	6
Landscape indices as measure of landscape fragmentation	Not specified	(3)	Doc science	1	1	1	1		1										5
Landscape indices behavior: A review of scale effects	FRAGSTATS	Not specified	Applied geography	1	1	1			1				1	1		1	1	1	9
Landscape Metrics and Indices an overview on their	FRAGSTATS	Not specified	Living review landscape research	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Use and misuse of landscape indices	Not specified	(4)	Landscape ecology																
Landscape Patch Shape Complexity	FRAGSTATS	Not specified	Landscape ecology	1		1				1	1			1	1		1		7
Mapping changes to vegetation pattern in a restoring wetland Finding pattern	FRAGSTATS	Not specified	Ecological indicators	1									1			1			3
Multiscale analysis of the urbanization pattern of the Phoenix metropolitan	FRAGSTATS	Not specified	Ecological indicators	1	1		1	1		1	1		1	1		1	1		10
In response to the continuum model for fauna research	Not specified	Delauney-NN	Oikos																
Behavior of class-level landscape metrics across gradients of class	FRAGSTATS	8-cells	Landscape ecology		1	1				1				1	1			1	6
On the role of spatial stochastic models in understanding	Not specified	Not specified	Forum	1	1														2
Relationship between landscape structure and burn severity at the landscape	FRAGSTATS	Not specified	Forestry ecology and management		1	1	1			1							1		5
Relationships between Landcover Proportion and Indices	Hisa on fortran	Not specified	Landscape ecology			1									1		1	1	4
Remote sensing based indicators of changes in a mountain rural landscape	FRAGSTATS	Not specified	Applied geography	1	1	1	1	1					1			1			7
Scale dependence of landscape metrics and their indicatory	FRAGSTATS	Not specified	Ecological indicators			1				1			1			1		1	5
Scaling functions for landscape pattern metrics derived	FRAGSTATS	8-cells	Isprs j of photogr. And remo sensing	1	1	1								1		1			5
Evaluating empirical scaling relations of pattern metrics with	FRAGSTATS	4-cells	Ecography	1	1	1	1			1				1	1		1		8
Thematic resolution matters: Indicators of landscape	FRAGSTATS	Not specified	Ecological indicators	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Impact of an agri-environmental scheme on landscape pattern	FRAGSTATS	8-cells	Ecological indicators			1	1							1	1	1		1	6
Parsimony in landscape metrics: Strength, universality, and consistency	FRAGSTATS	Not specified	Ecological indicators	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Urban green infrastructure and local flooding: The impact of landscape patterns on peak runoff in four Texas MSAs	FRAGSTATS	Not specified	Applied geography		1	1						1		1	1	1	1	1	8
An area-wide model approach for the management of a disease vector planthopper	FRAGSTATS	Not specified	Ecological modelling						1								1		2
Dynamics of Utah's agricultural landscapes in response to urbanization	FRAGSTAT	Not specified	Applied geography	1					1			1	1						4
A gradient analysis of urban landscape pattern:	FRAGSTATS	Not specified	Landscape ecology		1	1			1	1		1					1		6
Spatial analysis of landscapes: concepts and statistics	FRAGSTATS	Not specified	Ecology																
Investigating spatiotemporal patterns of landscape diversity in response to urbanization	FRAGSTATS	Not specified	Landscape and urban planning				1												3
Green space spatial characteristics and human health in an urban environmen	FRAGSTATS	Not specified	Ecological indicators	1		1	1								1			1	5
Factor analysis for aerosol optical depth and its prediction from the perspective of land-use change	FRAGSTATS	Not specified	Ecological indicators		1		1		1	1					1	1			6
Landscape structure versus the effectiveness of nature conservation: Roztocze region case study	FRAGSTATS	Not specified	Ecological indicators	1		1				1				1	1	1		1	7
Landscape structure and dynamics on the Qinghai-Tibetan Plateau	FRAGSTATS	Not specified	Ecological modelling	1		1			1						1				4
Urban ecological security assessment and forecasting, based on a cellular automata model: A case study of Guangzhou, China	FRAGSTATS	8-cells	Ecological modelling	1				1	1			1					1		6
Marine space ecology and sea grasses. Does patch type matter in Posidonia oceanica seascapes?	FRAGSTATS	8-cells	Ecological modelling		1	1	1			1	1		1						6
Disturbance-grazer-vegetation interactions maintain habitat diversity in mountain pasture-woodlands	FRAGSTATS	Not specified	Ecological modelling						1		1				1				3
Applicability of landscape metrics for the monitoring of landscape change: issues of scale, resolution and interpretability	FRAGSTATS	8-cells	Ecological indicators	1	1	1	1	1								1	1		7
Designing ecological corridors in a fragmented landscape: A fuzzy approach to circuit connectivity analysis	FRAGSTATS	Not specified	Ecological indicators				1	1					1	1					4
Remotely sensed indicators of forest conservation status: Case study from a Natura 2000 site in southern Portugal	FRAGSTATS	Not specified	Ecological indicators									1							3
Simulating spatiotemporal dynamics of urbanization with multi-agentsystems—A case study of the Phoenix metropolitan region, USA	FRAGSTATS	Not specified	Ecological modelling			1									1	1	1		4
Simulating complex urban development using kernel-based non-linear cellular automata	FRAGSTATS	Not specified	Ecological modelling	1	1									1	1	1			5
Spatially explicit models to analyze forest loss and fragmentation between 1976 and 2020 in southern Chile	FRAGSTATS	Not specified	Ecological modelling			1												1	2
Multiscale performance of landscape metrics as indicators of species richness of plants, insects and vertebrates	FRAGSTATS	Not specified	Ecological indicators			1	1	1	1	1	1	1			1	1	1	1	12
Indicators to monitor the structural diversity of landscapes	FRAGSTATS	Not specified	Ecological modelling						1					1	1	1		1	5
The need for biological realism in the updating of cellular automata models	FRAGSTATS	Not specified	Ecological modelling	1	1												1		3
Sex-specific indicators of landscape use by servals	FRAGSTATS	8-cells	Ecological indicators			1								1		1			3
Towards more predictable and consistent landscape metrics across	FRAGSTATS	8-cells	Ecological indicators	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
A landscape ecological perspective of the impacts of urbanization on	FRAGSTATS	Not specified	Applied geography	1	1									1	1				6
Subjective uncertainties in habitat suitability maps	FRAGSTATS	Not specified	Ecological modelling	1								1							
Transformation of agricultural landscapes under rapid urbanization	FRAGSTATS	Not specified	Applied geography						1	1	1	1							4
Development of an accurate fine-resolution land cover timeline	FRAGSTATS	Not specified	Applied geography				1												1
Identifying determinants of urban growth from a multi-scale	FRAGSTATS	Not specified	Applied geography						1			1		1		1			4
DINAMICA — a stochastic cellular automata model designed	FRAGSTATS	Not specified	Ecological modelling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Valuing post-mining landscapes using an ecosystem services approach	FRAGSTATS	Not specified	Ecological indicators			1							1						2
Assessing the performance of common landscape connectivity	FRAGSTATS	Not specified	Landscape and urban planning	1		1										1	1		4
A weighted aggregation and closeness approach to measuring the	FRAGSTATS	Not specified	Ecological indicators	1		1						1			1		1	1	6
Developing open space networks in shrinking cities	FRAGSTATS	Not specified	Applied geography			1			1	1									4
Fragmentation in the Legal Amazon, Brazil Can landscape metrics indicate	r.le	Not specified	Ecological indicators	1	1	1						1				1	1		6
Biased parasitoids ex ratios Wolbachia functional traits	lecos	Not specified	Basic and applied ecology	1	1														3
Patch-scale biodiversity retention in fragmented landscapes	lecos	Not specified	Journal of biogeography		1	1				1									3
Diversity, genetic structure, and population genomics of the tropica	lecos	Not specified	Conservation genetics	1				1		1									3
Drivers potentially influencing hostbat fly interactions in anthropogenic neotropical landscapes at different spatial scales	lecos	Not specified	Parasitology					1	1										2
Evaluating urban environmental and	lecos	Not specified	Plosone		1				1						1				3
Influence of a Large Lake on the Winter Range of a	lecos	Not specified	Diversity	1		1													2
Are Landscape Configuration Metrics Worth Including When	lecos	Not specified	Environmental model assessment	1						1						1			3
Can landscape characteristics help explain the different trends	lecos	Not specified	Mammal research	1	1	1	1	1									1		7
Long-term land use and land cover changes (1920–2015) in Eastern Ghats	lecos	Not specified	Ecological indicators	1	1		1	1						1	1				6
Multiscale and surface pattern analysis of the effect of	r.le	Not specified	Ecological indicators									1							2
Indicators of landscape fragmentation The case for combining ecological indices	r.le	Not specified	Ecological indicators	1		1	1	1					1	1					6
Nest box selection	lecos	Not specified	Avian research	1		1	1					1		1	1				5
Rodent community responses to vegetation and landscape changes	lecos	Not specified	Forest ecology and managment			1													2
Spatial landscape patterns and trends of declining reed beds in peninsular Italy	lecos	Not specified	Plants biosystems						1							1			2
GIS-based Analysis of Temporal Evolution of Rural Land	lecos	Not specified	Natural resources research	1		1	1		1							1			5
The influence of forest definition on landscape fragmentation assessment	lecos	Not specified	Ecological indicators	1	1	1						1			1				5
Unprecedented plant species loss after a	lecos	Not specified	Plosone			1			1										2
Urban environmental clustering to assess the spatial dynamics of Aedes aegypti breeding sites	lecos	Not specified	Geospatial health				1												2
The Fate of Priority Areas for Conservation in Protected Areas: A Fine-Scale Markov Chain Approach	r.le	Not specified	Environmental Management	1	1	1	1								1				5
Total citations [number]				47	34	51	35	18	28	31	20	21	14	27	34	32	22	25	446
Total citations [%]				51.1	37.0	55.4	38.0	19.6	30.4	33.7	21.7	22.8	15.2	29.3	37.0	34.8	23.9	27.2	

Notes
(1) The definition of Cell Neighborhood is not important.
(2) Discusses different configurations of moving window options.
(3) List of metrics, specify how CN definition influences the results.
(4) Review, highlight the fact that often parameters needed for the interpretation of the results are not reported.

Software usage per article	FRAGSTATS	LeCos	r.le	other
Use in absolute value	70	16	4	3
Use in %	65.1	14.9	3.7	2.8

See Landscape_metrics_literature_review.pdf for complete references.