

RenÃ© Lefever

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

579
citations

1040056

9
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Gapped vegetation patterns: Crown/root allometry and snaking bifurcation. Chaos, Solitons and Fractals, 2020, 133, 109617.	5.1	9
2	The rehabilitation of irreversible processes and dissipative structuresâ€™ 50th anniversary. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170365.	3.4	19
3	Self-Replication of Localized Vegetation Patches in Scarce Environments. Scientific Reports, 2016, 6, 33703.	3.3	46
4	Finger Dynamics in Pattern Forming Systems. Springer Proceedings in Physics, 2016, , 275-291.	0.2	0
5	A quantitative theory of vegetation patterns based on plant structure and the non-local Fâ€™KPP equation. Comptes Rendus - Mecanique, 2012, 340, 818-828.	2.1	22
6	Deeply gapped vegetation patterns: On crown/root allometry, criticality and desertification. Journal of Theoretical Biology, 2009, 261, 194-209.	1.7	73
7	SPATIAL DECOUPLING OF FACILITATION AND COMPETITION AT THE ORIGIN OF GAPPED VEGETATION PATTERNS. Ecology, 2008, 89, 1521-1531.	3.2	135
8	Vegetation spots and stripes: Dissipative structures in arid landscapes. International Journal of Quantum Chemistry, 2004, 98, 261-271.	2.0	96
9	Short range co-operativity competing with long range inhibition explains vegetation patterns. Acta Oecologica, 1999, 20, 171-183.	1.1	69
10	Chemical freezing of phase separation in immiscible binary mixtures. Physical Review E, 1997, 56, 3127-3136.	2.1	56
11	The brusselator: it does oscillate all the same. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 1013.	1.0	54