

# RenÃ© Lefever

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3205920/publications.pdf>

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