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## João Paulo Ramos



### Total Citations

Web of Science®	192
Scopus	191

### Publications

#### • Scientific Journals

##### - Scientific journal paper

1	<p>Pereira, L. R., Lopes, R. J., Louçã, J., Araújo, D. &amp; Ramos, J. (2021). The soccer game, bit by bit: An information-theoretic analysis. <i>Chaos, Solitons and Fractals</i>. 152</p> <ul style="list-style-type: none"><li>- Times Cited Web of Science®: 7</li><li>- Times Cited Scopus: 5</li><li>- Times Cited Google Scholar: 10</li></ul>
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2	Ribeiro, J., Silva, P., Davids, K., Araújo, D., Ramos, J., Lopes, R. J....Garganta, J. (2020). A multilevel hypernetworks approach to capture properties of team synergies at higher complexity levels. <i>European Journal of Sport Science</i> . 20 (10), 1318-1328 - Times Cited Web of Science®: 14 - Times Cited Scopus: 13 - Times Cited Google Scholar: 22
3	Ribeiro, J., Lopes, R. J., Silva, P., Araújo, D., Barreira, D., Davids, K....Garganta, J. (2020). A multilevel hypernetworks approach to capture meso-level synchronisation processes in football. <i>Journal of Sports Sciences</i> . 38 (5), 494-502 - Times Cited Web of Science®: 16 - Times Cited Scopus: 14 - Times Cited Google Scholar: 27
4	Ramos, J., Lopes, R. J. & Araújo, D. (2020). Interactions between soccer teams reveal both design and emergence: cooperation, competition and Zipf-Mandelbrot regularity. <i>Chaos, Solitons and Fractals</i> . 137, 1-7 - Times Cited Web of Science®: 10 - Times Cited Scopus: 10 - Times Cited Google Scholar: 15
5	Ribeiro, J., Davids, K. , Araújo, D., Silva, P., Ramos, J., Lopes, R. J....Garganta, J. (2019). The role of hypernetworks as a multilevel methodology for modelling and understanding dynamics of team sports performance. <i>Sports Medicine</i> . 49 (9), 1337-1344 - Times Cited Web of Science®: 46 - Times Cited Scopus: 42 - Times Cited Google Scholar: 71
6	Ramos, J., Lopes, R. J. & Araújo, D. (2018). What's next in complex networks? Capturing the concept of attacking play in invasive team sports. <i>Sports Medicine</i> . 48 (1), 17-28 - Times Cited Web of Science®: 56 - Times Cited Scopus: 51 - Times Cited Google Scholar: 86
7	Ramos, J., Lopes, R. J., Marques, P. & Araújo, D. (2017). Hypernetworks reveal compound variables that capture cooperative and competitive interactions in a soccer match. <i>Frontiers in Psychology</i> . 8 - Times Cited Web of Science®: 43 - Times Cited Scopus: 45 - Times Cited Google Scholar: 64

## • Books and Book Chapters

### - Book chapter

1	Ramos, J., Lopes, Rui J., Araújo, D. & Pedro Passos (2024). Networks Centrality. In Daniel Memmert; (Ed.), <i>Computer Science in Sport</i> . (pp. 157-167). Berlin, Heidelberg: Springer Berlin Heidelberg.
2	Araújo, D., Ramos, J. & Lopes, R. J. (2016). Shared affordances guide interpersonal synergies in sport teams. In Pedro Passos, Keith Davids, Jia Yi Chow (Ed.), <i>Interpersonal coordination and performance in social systems</i> . (pp. 165-178).: Routledge. - Times Cited Scopus: 11 - Times Cited Google Scholar: 22

## • Conferences/Workshops and Talks

### - Publication in conference proceedings

1	<p>Ramos, J., Lopes, Rui J., Marques, P. &amp; Araújo, D. (2017). Hypernetworks: capturing the multilayers of cooperative and competitive interactions in soccer. In Carlota Torrents, Pedro Passos, Francesc Cos (Ed.), <i>International Congress Complex Systems in Sport</i>. (pp. 150-153). Barcelona: Frontiers.</p> <p>- Times Cited Google Scholar: 5</p>
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**- Conference paper not in proceedings**

1	<p>Ramos, J., Araújo, D., Lopes, Rui J., Ramos, J., Araújo, D. &amp; Rui Lopes (2015). Híperredes multinível revelam propriedades da dinâmica colectiva do jogo de futebol. <i>Actas 1º Congresso Ibero-americano de Desporto, Actividade Física, Educação e Saúde</i>.</p>
2	<p>Ramos, J., Lopes, Rui J. &amp; Araújo, D. (2015). Análise de desempenho de equipas de futebol através de hiperredes multinível: determinação da estrutura mínima representativa do jogo nos níveis micro-macro das equipas . <i>XVI Jornadas da Sociedade Portuguesa de Psicologia do Desporto</i>.</p>
3	<p>Ramos, J., Lopes, Rui J., Araújo, D., Silva, J.P. &amp; Silva, C.M. (2014). Equipas de futebol como redes complexas – O caso da equipa campeã mundial. <i>Symposium XV Jornadas da Sociedade Portuguesa de Psicologia do Desporto</i>.</p>