

# Rafael Martinez-Planell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/245261/publications.pdf>

Version: 2024-02-01

20  
papers

311  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrical representations in the learning of two-variable functions. Educational Studies in Mathematics, 2010, 73, 3-19.	2.8	71
2	A STUDY OF SEMIOTIC REGISTERS IN THE DEVELOPMENT OF THE DEFINITE INTEGRAL OF FUNCTIONS OF TWO AND THREE VARIABLES. International Journal of Science and Mathematics Education, 2014, 12, 883-916.	2.5	47
3	Students'™ understanding of the general notion of a function of two variables. Educational Studies in Mathematics, 2012, 81, 365-384.	2.8	40
4	On students'™ understanding of the differential calculus of functions of two variables. Journal of Mathematical Behavior, 2015, 38, 57-86.	0.9	27
5	Students'™ conception of infinite series. Educational Studies in Mathematics, 2012, 81, 235-249.	2.8	17
6	Graphs of functions of two variables: results from the design of instruction. International Journal of Mathematical Education in Science and Technology, 2013, 44, 663-672.	1.4	13
7	Multivariable calculus results in different countries. ZDM - International Journal on Mathematics Education, 2021, 53, 695-707.	2.2	12
8	Students'™ understanding of the relation between tangent plane and directional derivatives of functions of two variables. Journal of Mathematical Behavior, 2017, 46, 13-41.	0.9	11
9	Student Understanding of the Relation between Tangent Plane and the Total Differential of two-Variable Functions. International Journal of Research in Undergraduate Mathematics Education, 2018, 4, 181-197.	1.8	11
10	The unit circle approach to the construction of the sine and cosine functions and their inverses: An application of APOS theory. Journal of Mathematical Behavior, 2016, 43, 111-133.	0.9	10
11	Students' understanding of quadratic equations. International Journal of Mathematical Education in Science and Technology, 2016, 47, 552-572.	1.4	10
12	Using APOS theory as a framework for considering slope understanding. Journal of Mathematical Behavior, 2019, 54, 100684.	0.9	9
13	Using cycles of research in APOS: The case of functions of two variables. Journal of Mathematical Behavior, 2019, 55, 100687.	0.9	7
14	Students'™ understanding of Riemann sums for integrals of functions of two variables. Journal of Mathematical Behavior, 2020, 59, 100791.	0.9	6
15	Las funciones de dos variables: un análisis mediante los resultados del diálogo entre la teoría APOS y la TAD. Enseñanza De Las Ciencias, 2015, 33, 157-171.	0.3	5
16	On students'™ understanding of implicit differentiation based on APOS theory. Educational Studies in Mathematics, 2020, 105, 163-179.	2.8	4
17	Making Implicit Multivariable Calculus Representations Explicit: A Clinical Study. Primus, 2015, 25, 529-541.	0.5	3
18	What does $y$ is defined as an implicit function of $x$ ™ mean?: An application of APOS-ACE. Journal of Mathematical Behavior, 2019, 56, 100739.	0.9	3

#	ARTICLE	IF	CITATIONS
19	High school student understanding of exponential and logarithmic functions. Journal of Mathematical Behavior, 2022, 66, 100953.	0.9	3
20	Student understanding of functions of two variables: A reproducibility study. Journal of Mathematical Behavior, 2022, 66, 100950.	0.9	2