

# Roberto M Vanacore

## List of Publications by Year in descending order

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28  
papers

2,006  
citations

394421

19  
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docs citations

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times ranked

2387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bromine Is an Essential Trace Element for Assembly of Collagen IV Scaffolds in Tissue Development and Architecture. <i>Cell</i> , 2014, 157, 1380-1392.	28.9	299
2	Molecular Architecture of the Goodpasture Autoantigen in Anti-GBM Nephritis. <i>New England Journal of Medicine</i> , 2010, 363, 343-354.	27.0	298
3	A Sulfilimine Bond Identified in Collagen IV. <i>Science</i> , 2009, 325, 1230-1234.	12.6	207
4	Peroxidase forms sulfilimine chemical bonds using hypohalous acids in tissue genesis. <i>Nature Chemical Biology</i> , 2012, 8, 784-790.	8.0	207
5	A unique covalent bond in basement membrane is a primordial innovation for tissue evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 331-336.	7.1	138
6	Cellular Protection Mechanisms against Extracellular Heme. <i>Journal of Biological Chemistry</i> , 1999, 274, 638-648.	3.4	91
7	Intestinal alkaline phosphatase of the fish <i>Cyprinus carpio</i> : Regional distribution and membrane association. <i>The Journal of Experimental Zoology</i> , 1997, 279, 347-355.	1.4	66
8	Comprehensive Characterization of Glycosylation and Hydroxylation of Basement Membrane Collagen IV by High-Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016, 15, 245-258.	3.7	64
9	Lysyl Oxidase-like-2 Cross-links Collagen IV of Glomerular Basement Membrane. <i>Journal of Biological Chemistry</i> , 2016, 291, 25999-26012.	3.4	61
10	Building collagen IV smart scaffolds on the outside of cells. <i>Protein Science</i> , 2017, 26, 2151-2161.	7.6	61
11	Extracellular chloride signals collagen IV network assembly during basement membrane formation. <i>Journal of Cell Biology</i> , 2016, 213, 479-494.	5.2	56
12	Integrin-mediated type II TGF- $\beta$ 2 receptor tyrosine dephosphorylation controls SMAD-dependent profibrotic signaling. <i>Journal of Clinical Investigation</i> , 2014, 124, 3295-3310.	8.2	56
13	Quantitative proteomic profiling of extracellular matrix and site-specific collagen post-translational modifications in an in vitro model of lung fibrosis. <i>Matrix Biology Plus</i> , 2019, 1, 100005.	3.5	55
14	Identification of S-Hydroxylysyl-methionine as the Covalent Cross-link of the Noncollagenous (NC1) Hexamer of the $\alpha$ 1(I)2 Collagen IV Network. <i>Journal of Biological Chemistry</i> , 2005, 280, 29300-29310.	3.4	49
15	The $\alpha$ 1(I)2 Network of Collagen IV. <i>Journal of Biological Chemistry</i> , 2004, 279, 44723-44730.	3.4	47
16	Proteolytic processing of lysyl oxidase-like-2 in the extracellular matrix is required for crosslinking of basement membrane collagen IV. <i>Journal of Biological Chemistry</i> , 2017, 292, 16970-16982.	3.4	39
17	The Extracellular Matrix Receptor Discoidin Domain Receptor 1 Regulates Collagen Transcription by Translocating to the Nucleus. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1605-1624.	6.1	38
18	A Role for Collagen IV Cross-links in Conferring Immune Privilege to the Goodpasture Autoantigen. <i>Journal of Biological Chemistry</i> , 2008, 283, 22737-22748.	3.4	34

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19	Role for Copper in Transient Oxidation and Nuclear Translocation of MTF-1, but Not of NF- $\kappa$ B, by the Heme- $\alpha$ -Hemopexin Transport System. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 739-752.	5.4	33
20	Goodpasture's disease: molecular architecture of the autoantigen provides clues to etiology and pathogenesis. <i>Current Opinion in Nephrology and Hypertension</i> , 2011, 20, 290-296.	2.0	19
21	Supramolecular Organization of the $\alpha$ 121- $\alpha$ 565 Collagen IV Network. <i>Journal of Biological Chemistry</i> , 2014, 289, 25601-25610.	3.4	18
22	Upregulated Expression of Integrin $\alpha$ 1 in Mesangial Cells and Integrin $\alpha$ 3 and Vimentin in Podocytes of Col4a3-Null (Alport) Mice. <i>PLoS ONE</i> , 2012, 7, e50745.	2.5	17
23	Aquaporin 11 variant associates with kidney disease in type 2 diabetic patients. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F416-F425.	2.7	15
24	Sulphilimine/Sulfilimine cross-links in Goodpasture's disease. <i>Clinical and Experimental Immunology</i> , 2011, 164, 4-6.	2.6	13
25	Loss of function of Colgalt1 disrupts collagen post-translational modification and causes musculoskeletal defects. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	13
26	EGF receptor-mediated FUS phosphorylation promotes its nuclear translocation and fibrotic signaling. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	12
27	Lysyl Oxidase-like 2 Targets Specific Lysine residues within the 7S dodecamer of Collagen IV. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
28	Evolutionary Origin of the Sulfilimine Chemical Bond in Basement Membranes. <i>FASEB Journal</i> , 2013, 27, 790.19.	0.5	0