

# Roberta Faccio

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,467  
citations

331670

21  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4183  
citing authors

| #  | ARTICLE                                                                                                                                                                                                         | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | TREM2 Modulation Remodels the Tumor Myeloid Landscape Enhancing Anti-PD-1 Immunotherapy. <i>Cell</i> , 2020, 182, 886-900.e17.                                                                                  | 28.9 | 309       |
| 2  | Stromal senescence establishes an immunosuppressive microenvironment that drives tumorigenesis. <i>Nature Communications</i> , 2016, 7, 11762.                                                                  | 12.8 | 290       |
| 3  | Vav3 regulates osteoclast function and bone mass. <i>Nature Medicine</i> , 2005, 11, 284-290.                                                                                                                   | 30.7 | 268       |
| 4  | Dynamic changes in the osteoclast cytoskeleton in response to growth factors and cell attachment are controlled by $\alpha 2 \beta 3$ integrin. <i>Journal of Cell Biology</i> , 2003, 162, 499-509.            | 5.2  | 161       |
| 5  | Breast and pancreatic cancer interrupt IRF8-dependent dendritic cell development to overcome immune surveillance. <i>Nature Communications</i> , 2018, 9, 1250.                                                 | 12.8 | 151       |
| 6  | RelB is the NF- $\kappa$ B subunit downstream of NIK responsible for osteoclast differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3897-3902. | 7.1  | 139       |
| 7  | Dickkopf-related protein 1 (Dkk1) regulates the accumulation and function of myeloid derived suppressor cells in cancer. <i>Journal of Experimental Medicine</i> , 2016, 213, 827-840.                          | 8.5  | 114       |
| 8  | Stromal-Initiated Changes in the Bone Promote Metastatic Niche Development. <i>Cell Reports</i> , 2016, 14, 82-92.                                                                                              | 6.4  | 103       |
| 9  | High dose M-CSF partially rescues the Dap12 $^{-/-}$ osteoclast phenotype. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 871-883.                                                                         | 2.6  | 94        |
| 10 | c-Fms and the $\alpha 2 \beta 3$ integrin collaborate during osteoclast differentiation. <i>Journal of Clinical Investigation</i> , 2003, 111, 749-758.                                                         | 8.2  | 92        |
| 11 | Multi-tissue single-cell analysis deconstructs the complex programs of mouse natural killer and type 1 innate lymphoid cells in tissues and circulation. <i>Immunity</i> , 2021, 54, 1320-1337.e4.              | 14.3 | 77        |
| 12 | Down-regulation of PLC $\gamma 2$ -catenin pathway promotes activation and expansion of myeloid-derived suppressor cells in cancer. <i>Journal of Experimental Medicine</i> , 2013, 210, 2257-2271.             | 8.5  | 71        |
| 13 | Alternative NF- $\kappa$ B Regulates RANKL-Induced Osteoclast Differentiation and Mitochondrial Biogenesis via Independent Mechanisms. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2287-2299.       | 2.8  | 70        |
| 14 | Therapy-Induced Senescence Drives Bone Loss. <i>Cancer Research</i> , 2020, 80, 1171-1182.                                                                                                                      | 0.9  | 69        |
| 15 | Bone-Immune Cell Crosstalk: Bone Diseases. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.                                                                                                            | 2.2  | 60        |
| 16 | Antagonizing Integrin $\alpha 2 \beta 3$ Increases Immunosuppression in Cancer. <i>Cancer Research</i> , 2016, 76, 3484-3495.                                                                                   | 0.9  | 58        |
| 17 | M-CSF Regulates the Cytoskeleton via Recruitment of a Multimeric Signaling Complex to c-Fms Tyr-559/697/721. <i>Journal of Biological Chemistry</i> , 2007, 282, 18991-18999.                                   | 3.4  | 46        |
| 18 | Immune regulation of bone metastasis. <i>BoneKEy Reports</i> , 2014, 3, 600.                                                                                                                                    | 2.7  | 28        |

| #  | ARTICLE                                                                                                                                                                                                                           | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Tmem178 acts in a novel negative feedback loop targeting NFATc1 to regulate bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15654-15659.                                   | 7.1 | 26        |
| 20 | The Crosstalk between the Bone and the Immune System: Osteoimmunology. Clinical and Developmental Immunology, 2013, 2013, 1-2.                                                                                                    | 3.3 | 25        |
| 21 | Plc $\beta$ 2/Tmem178 dependent pathway in myeloid cells modulates the pathogenesis of cytokine storm syndrome. Journal of Autoimmunity, 2019, 100, 62-74.                                                                        | 6.5 | 25        |
| 22 | Diacylglycerol Kinase $\beta$ (DGK $\beta$ ) Is a Critical Regulator of Bone Homeostasis Via Modulation of c-Fos Levels in Osteoclasts. Journal of Bone and Mineral Research, 2015, 30, 1852-1863.                                | 2.8 | 22        |
| 23 | The tethering function of mitofusin2 controls osteoclast differentiation by modulating the Ca <sup>2+</sup> -NFATc1 axis. Journal of Biological Chemistry, 2020, 295, 6629-6640.                                                  | 3.4 | 22        |
| 24 | PLC $\beta$ 2: where bone and immune cells find their common ground. Annals of the New York Academy of Sciences, 2010, 1192, 124-130.                                                                                             | 3.8 | 21        |
| 25 | Importance of the Conserved Carboxyl-Terminal CNOT1 Binding Domain to Tristetraprolin Activity <i>In Vivo</i> . Molecular and Cellular Biology, 2019, 39, .                                                                       | 2.3 | 17        |
| 26 | Phospholipase C $\beta$ 1 (PLC $\beta$ 1) Controls Osteoclast Numbers via Colony-stimulating Factor 1 (CSF-1)-dependent Diacylglycerol/ $\beta$ -Catenin/CyclinD1 Pathway. Journal of Biological Chemistry, 2017, 292, 1178-1186. | 3.4 | 12        |
| 27 | Tmem178 negatively regulates store-operated calcium entry in myeloid cells via association with STIM1. Journal of Autoimmunity, 2019, 101, 94-108.                                                                                | 6.5 | 12        |
| 28 | The microbiome restrains melanoma bone growth by promoting intestinal NK and Th1 cell homing to bone. Journal of Clinical Investigation, 2022, 132, .                                                                             | 8.2 | 12        |
| 29 | A Knock-In Tristetraprolin (TTP) Zinc Finger Point Mutation in Mice: Comparison with Complete TTP Deficiency. Molecular and Cellular Biology, 2018, 38, .                                                                         | 2.3 | 11        |
| 30 | Effective Treatment of Established Bone Metastases Can Be Achieved by Combinatorial Osteoclast Blockade and Depletion of Granulocytic Subsets. Cancer Immunology Research, 2021, 9, 1400-1412.                                    | 3.4 | 11        |
| 31 | Osterix-Cre marks distinct subsets of CD45- and CD45+ stromal populations in extra-skeletal tumors with pro-tumorigenic characteristics. ELife, 2020, 9, .                                                                        | 6.0 | 11        |
| 32 | Diacylglycerol Kinase $\beta$ Regulates Macrophage Responses in Juvenile Arthritis and Cytokine Storm Syndrome Mouse Models. Journal of Immunology, 2020, 204, 137-146.                                                           | 0.8 | 9         |
| 33 | Targeted Inhibition of Phospholipase C $\beta$ 2 Adaptor Function Blocks Osteoclastogenesis and Protects from Pathological Osteolysis. Journal of Biological Chemistry, 2013, 288, 33634-33641.                                   | 3.4 | 8         |
| 34 | Novel ER $\alpha$ positive breast cancer model with estrogen independent growth in the bone microenvironment. Oncotarget, 2016, 7, 49751-49764.                                                                                   | 1.8 | 6         |
| 35 | Osteolineage depletion of mitofusin2 enhances cortical bone formation in female mice. Bone, 2021, 148, 115941.                                                                                                                    | 2.9 | 5         |
| 36 | Pathogenesis of Bone Diseases: The Role of Immune System. Journal of Immunology Research, 2015, 2015, 1-2.                                                                                                                        | 2.2 | 4         |

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Constitutive activation of NF- $\kappa$ B inducing kinase (NIK) in the mesenchymal lineage using Osterix (Sp7)- or Fibroblast-specific protein 1 (S100a4)-Cre drives spontaneous soft tissue sarcoma. PLoS ONE, 2021, 16, e0254426. | 2.5 | 4         |
| 38 | Conditional loss of IKK $\beta$ in Osterix <sup>+</sup> cells has no effect on bone but leads to age-related loss of peripheral fat. Scientific Reports, 2022, 12, 4915.                                                            | 3.3 | 2         |
| 39 | Cellular Players in Breast Cancer Bone Metastases. Clinical Reviews in Bone and Mineral Metabolism, 2013, 11, 122-132.                                                                                                              | 0.8 | 1         |
| 40 | Rac1 and Rac2 GTPases Play Distinct Roles and Are Essential for Full Osteoclast Differentiation.. Blood, 2006, 108, 4231-4231.                                                                                                      | 1.4 | 1         |