

# Andrea Doni

## List of Publications by Year in descending order

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87  
papers

11,699  
citations

28190

55  
h-index

58464

82  
g-index

89  
all docs

89  
docs citations

89  
times ranked

13662  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Regulation of the Chemokine Receptor CXCR4 by Hypoxia. <i>Journal of Experimental Medicine</i> , 2003, 198, 1391-1402.  | 4.2  | 778       |
| 2  | Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. <i>Nature</i> , 2002, 420, 182-186.  | 13.7 | 636       |
| 3  | A distinct and unique transcriptional program expressed by tumor-associated macrophages (defective) Tj ETQq1 1 0.784314 rgBT /Ov<br>0.6 610   | 0.6  | 610       |
| 4  | An Integrated View of Humoral Innate Immunity: Pentraxins as a Paradigm. <i>Annual Review of Immunology</i> , 2010, 28, 157-183.  | 9.5  | 515       |
| 5  | The humoral pattern recognition receptor PTX3 is stored in neutrophil granules and localizes in extracellular traps. <i>Journal of Experimental Medicine</i> , 2007, 204, 793-804.                    | 4.2  | 492       |
| 6  | Regulation of leukocyte recruitment by the long pentraxin PTX3. <i>Nature Immunology</i> , 2010, 11, 328-334.   | 7.0  | 396       |
| 7  | PTX3 plays a key role in the organization of the cumulus oophorus extracellular matrix and in in vivo fertilization. <i>Development (Cambridge)</i> , 2004, 131, 1577-1586.                           | 1.2  | 385       |
| 8  | Pentraxins in Innate Immunity: From C-Reactive Protein to the Long Pentraxin PTX3. <i>Journal of Clinical Immunology</i> , 2008, 28, 1-13.  | 2.0  | 364       |
| 9  | Cross-Linking of the Mannose Receptor on Monocyte-Derived Dendritic Cells Activates an Anti-Inflammatory Immunosuppressive Program. <i>Journal of Immunology</i> , 2003, 171, 4552-4560.              | 0.4  | 334       |
| 10 | PTX3 Is an Extrinsic Oncosuppressor Regulating Complement-Dependent Inflammation in Cancer. <i>Cell</i> , 2015, 160, 700-714.   | 13.5 | 334       |
| 11 | A human promyelocytic-like population is responsible for the immune suppression mediated by myeloid-derived suppressor cells. <i>Blood</i> , 2011, 118, 2254-2265.                                    | 0.6  | 328       |
| 12 | Circulating levels of the long pentraxin PTX3 correlate with severity of infection in critically ill patients. <i>Critical Care Medicine</i> , 2001, 29, 1404-1407.                                   | 0.4  | 302       |
| 13 | The long pentraxin PTX3 binds to apoptotic cells and regulates their clearance by antigen-presenting dendritic cells. <i>Blood</i> , 2000, 96, 4300-4306.   | 0.6  | 298       |
| 14 | Role of c-MYC in alternative activation of human macrophages and tumor-associated macrophage biology. <i>Blood</i> , 2012, 119, 411-421.  | 0.6  | 292       |
| 15 | Complexity and Complementarity of Outer Membrane Protein A Recognition by Cellular and Humoral Innate Immunity Receptors. <i>Immunity</i> , 2005, 22, 551-560.  | 6.6  | 271       |
| 16 | Occurrence of Tertiary Lymphoid Tissue Is Associated with T-Cell Infiltration and Predicts Better Prognosis in Early-Stage Colorectal Cancers. <i>Clinical Cancer Research</i> , 2014, 20, 2147-2158. | 3.2  | 264       |
| 17 | PTX3 in small-vessel vasculitides: An independent indicator of disease activity produced at sites of inflammation. <i>Arthritis and Rheumatism</i> , 2001, 44, 2841-2850.                             | 6.7  | 250       |
| 18 | Unique Role of Junctional Adhesion Molecule-A in Maintaining Mucosal Homeostasis in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2008, 135, 173-184.   | 0.6  | 210       |

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|----|--|-----|-----------|
| 19 | Role of complement and Fc $\gamma$ 3 receptors in the protective activity of the long pentraxin PTX3 against <i>Aspergillus fumigatus</i> . <i>Blood</i> , 2010, 116, 5170-5180.                                       | 0.6 | 188       |
| 20 | Synergy between Ficolin-2 and Pentraxin 3 Boosts Innate Immune Recognition and Complement Deposition. <i>Journal of Biological Chemistry</i> , 2009, 284, 28263-28275.   | 1.6 | 184       |
| 21 | CCR7 is involved in the migration of neutrophils to lymph nodes. <i>Blood</i> , 2011, 117, 1196-1204.  | 0.6 | 183       |
| 22 | Production of the soluble pattern recognition receptor PTX3 by myeloid, but not plasmacytoid, dendritic cells. <i>European Journal of Immunology</i> , 2003, 33, 2886-2893.  | 1.6 | 173       |
| 23 | Binding of the Long Pentraxin PTX3 to Factor H: Interacting Domains and Function in the Regulation of Complement Activation. <i>Journal of Immunology</i> , 2008, 181, 8433-8440.                                      | 0.4 | 173       |
| 24 | Protection against inflammation- and autoantibody-caused fetal loss by the chemokine decoy receptor D6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2319-2324. | 3.3 | 171       |
| 25 | RORC1 Regulates Tumor-Promoting "Emergency" Granulo-Monocytopenesis. <i>Cancer Cell</i> , 2015, 28, 253-269.   | 7.7 | 154       |
| 26 | The Chemokine Receptor CX3CR1 Is Involved in the Neural Tropism and Malignant Behavior of Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2008, 68, 9060-9069.  | 0.4 | 153       |
| 27 | Chemokines, sTNF-Rs and sCD30 serum levels in healthy aged people and centenarians. <i>Mechanisms of Ageing and Development</i> , 2001, 121, 37-46.  | 2.2 | 139       |
| 28 | PTX3 Interacts with Inter- $\beta$ -trypsin Inhibitor. <i>Journal of Biological Chemistry</i> , 2007, 282, 30161-30170.  | 1.6 | 138       |
| 29 | Pentraxin 3 protects from MCMV infection and reactivation through TLR sensing pathways leading to IRF3 activation. <i>Blood</i> , 2006, 108, 3387-3396.  | 0.6 | 130       |
| 30 | An acidic microenvironment sets the humoral pattern recognition molecule PTX3 in a tissue repair mode. <i>Journal of Experimental Medicine</i> , 2015, 212, 905-925.   | 4.2 | 128       |
| 31 | The Long Pentraxin PTX3 as a Link Between Innate Immunity, Tissue Remodeling, and Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 712.  | 2.2 | 125       |
| 32 | Role of the Chemokine Receptor CXCR2 in Bleomycin-Induced Pulmonary Inflammation and Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 410-421.                                  | 1.4 | 119       |
| 33 | Heterocomplexes of Mannose-binding Lectin and the Pentraxins PTX3 or Serum Amyloid P Component Trigger Cross-activation of the Complement System. <i>Journal of Biological Chemistry</i> , 2011, 286, 3405-3417.       | 1.6 | 114       |
| 34 | Structure and Function of the Long Pentraxin PTX3 Glycosidic Moiety: A Fine-Tuning of the Interaction with C1q and Complement Activation. <i>Biochemistry</i> , 2006, 45, 11540-11551.                                 | 1.2 | 113       |
| 35 | The Humoral Pattern Recognition Molecule PTX3 Is a Key Component of Innate Immunity against Urinary Tract Infection. <i>Immunity</i> , 2014, 40, 621-632.  | 6.6 | 111       |
| 36 | The long pentraxin PTX3 in vascular pathology. <i>Vascular Pharmacology</i> , 2006, 45, 326-330.   | 1.0 | 109       |

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|----|---|-----|-----------|
| 37 | Regulation of PTX3, a key component of humoral innate immunity in human dendritic cells: stimulation by IL-10 and inhibition by IFN- $\gamma$ . <i>Journal of Leukocyte Biology</i> , 2006, 79, 797-802.                                | 1.5 | 107       |
| 38 | Recognition and inhibition of SARS-CoV-2 by humoral innate immunity pattern recognition molecules. <i>Nature Immunology</i> , 2022, 23, 275-286.  | 7.0 | 95        |
| 39 | PTX3 as a paradigm for the interaction of pentraxins with the Complement system. <i>Seminars in Immunology</i> , 2013, 25, 79-85.   | 2.7 | 83        |
| 40 | Early and Transient Release of Leukocyte Pentraxin 3 during Acute Myocardial Infarction. <i>Journal of Immunology</i> , 2011, 187, 970-979.   | 0.4 | 82        |
| 41 | High circulating levels of the IL-1 type II decoy receptor in critically ill patients with sepsis: association of high decoy receptor levels with glucocorticoid administration. <i>Journal of Leukocyte Biology</i> , 2002, 72, 643-9. | 1.5 | 82        |
| 42 | Tumor-Derived Prostaglandin E2 Promotes p50 NF- $\kappa$ B-Dependent Differentiation of Monocytic MDSCs. <i>Cancer Research</i> , 2020, 80, 2874-2888.  | 0.4 | 81        |
| 43 | Cell-specific Regulation of PTX3 by Glucocorticoid Hormones in Hematopoietic and Nonhematopoietic Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 29983-29992.   | 1.6 | 78        |
| 44 | Coregulation in human leukocytes of the long pentraxin PTX3 and TSG-6. <i>Journal of Leukocyte Biology</i> , 2009, 86, 123-132.   | 1.5 | 77        |
| 45 | Regulation of D6 chemokine scavenging activity by ligand- and Rab11-dependent surface up-regulation. <i>Blood</i> , 2008, 112, 493-503.   | 0.6 | 76        |
| 46 | <sc>M-CSF</sc> induces the expression of a membrane-bound form of <sc>IL-18</sc> in a subset of human monocytes differentiating in vitro toward macrophages. <i>European Journal of Immunology</i> , 2012, 42, 1618-1626.               | 1.6 | 76        |
| 47 | The macrophage tetraspan MS4A4A enhances dectin-1-dependent NK cell-mediated resistance to metastasis. <i>Nature Immunology</i> , 2019, 20, 1012-1022.  | 7.0 | 75        |
| 48 | Interactions of the humoral pattern recognition molecule PTX3 with the complement system. <i>Immunobiology</i> , 2012, 217, 1122-1128.  | 0.8 | 74        |
| 49 | M-Ficolin Interacts with the Long Pentraxin PTX3: A Novel Case of Cross-Talk between Soluble Pattern-Recognition Molecules. <i>Journal of Immunology</i> , 2011, 186, 5815-5822.  | 0.4 | 72        |
| 50 | The long pentraxin PTX3 as a link among innate immunity, inflammation, and female fertility. <i>Journal of Leukocyte Biology</i> , 2006, 79, 909-912.   | 1.5 | 69        |
| 51 | Tertiary Intratumor Lymphoid Tissue in Colo-Rectal Cancer. <i>Cancers</i> , 2012, 4, 1-10.  | 1.7 | 68        |
| 52 | Ficolin-1-PTX3 Complex Formation Promotes Clearance of Altered Self-Cells and Modulates IL-8 Production. <i>Journal of Immunology</i> , 2013, 191, 1324-1333.   | 0.4 | 68        |
| 53 | Mesenchymal Stromal Cell-Derived PTX3 Promotes Wound Healing via Fibrin Remodeling. <i>Journal of Investigative Dermatology</i> , 2016, 136, 293-300.   | 0.3 | 63        |
| 54 | Phosphoinositide 3-kinase $\hat{3}$ plays a critical role in bleomycin-induced pulmonary inflammation and fibrosis in mice. <i>Journal of Leukocyte Biology</i> , 2010, 89, 269-282.  | 1.5 | 61        |

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|----|--|-----|-----------|
| 55 | PTX3, a humoral pattern recognition molecule at the interface between microbe and matrix recognition. <i>Current Opinion in Immunology</i> , 2016, 38, 39-44.  | 2.4 | 61        |
| 56 | Heme catabolism by tumor-associated macrophages controls metastasis formation. <i>Nature Immunology</i> , 2021, 22, 595-606.   | 7.0 | 59        |
| 57 | Innate immunity, hemostasis and matrix remodeling: PTX3 as a link. <i>Seminars in Immunology</i> , 2016, 28, 570-577.  | 2.7 | 52        |
| 58 | Presence of Twist1-Positive Neoplastic Cells in the Stroma of Chromosome-Unstable Colorectal Tumors. <i>Gastroenterology</i> , 2013, 145, 647-657.e15.   | 0.6 | 49        |
| 59 | Endothelial deficiency of L1 reduces tumor angiogenesis and promotes vessel normalization. <i>Journal of Clinical Investigation</i> , 2014, 124, 4335-4350.  | 3.9 | 46        |
| 60 | Regulation of the microsomal prostaglandin E synthase-1 in polarized mononuclear phagocytes and its constitutive expression in neutrophils. <i>Journal of Leukocyte Biology</i> , 2007, 82, 320-326.               | 1.5 | 43        |
| 61 | The Third Intracellular Loop of the Human Somatostatin Receptor 5 Is Crucial for Arrestin Binding and Receptor Internalization after Somatostatin Stimulation. <i>Molecular Endocrinology</i> , 2008, 22, 676-688. | 3.7 | 39        |
| 62 | The Fractalkine-Receptor Axis Improves Human Colorectal Cancer Prognosis by Limiting Tumor Metastatic Dissemination. <i>Journal of Immunology</i> , 2016, 196, 902-914.  | 0.4 | 35        |
| 63 | Complement activation promoted by the lectin pathway mediates C3aR-dependent sarcoma progression and immunosuppression. <i>Nature Cancer</i> , 2021, 2, 218-232.   | 5.7 | 34        |
| 64 | PTX3 Regulation of Inflammation, Hemostatic Response, Tissue Repair, and Resolution of Fibrosis Favors a Role in Limiting Idiopathic Pulmonary Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 676702.        | 2.2 | 27        |
| 65 | Humoral innate immunity at the crossroad between microbe and matrix recognition: The role of PTX3 in tissue damage. <i>Seminars in Cell and Developmental Biology</i> , 2017, 61, 31-40.                           | 2.3 | 24        |
| 66 | The complement system in <i>Aspergillus fumigatus</i> infections and its crosstalk with pentraxins. <i>FEBS Letters</i> , 2020, 594, 2480-2501.  | 1.3 | 20        |
| 67 | Serotonin-Mediated Tuning of Human Helper T Cell Responsiveness to the Chemokine CXCL12. <i>PLoS ONE</i> , 2011, 6, e22482.  | 1.1 | 19        |
| 68 | Follicular Fluid Levels of the Long Pentraxin PTX3. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 226-231.   | 1.9 | 18        |
| 69 | Serum amyloid P component is an essential element of resistance against <i>Aspergillus fumigatus</i> . <i>Nature Communications</i> , 2021, 12, 3739.  | 5.8 | 18        |
| 70 | Pentraxins in Innate Immunity and Inflammation. <i>Novartis Foundation Symposium</i> , 0, , 80-91.   | 1.2 | 16        |
| 71 | PTX3 orchestrates tissue repair. <i>Oncotarget</i> , 2015, 6, 30435-30436.   | 0.8 | 13        |
| 72 | Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. <i>APL Photonics</i> , 2022, 7, .   | 3.0 | 12        |

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|----|--|-----|-----------|
| 73 | Dexamethasone Prophylaxis in Pediatric Open Heart Surgery Is Associated with Increased Blood Long Pentraxin PTX3: Potential Clinical Implications. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-6. | 3.3 | 11        |
| 74 | The long pentraxin 3 is a soluble and cell-associated component of the human semen. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 255-264.   | 3.6 | 10        |
| 75 | Intraperitoneal adoptive transfer of mesenchymal stem cells enhances recovery from acid aspiration acute lung injury in mice. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 13.                           | 0.9 | 10        |
| 76 | The Long Pentraxin PTX3 Controls <i>Klebsiella Pneumoniae</i> Severe Infection. <i>Frontiers in Immunology</i> , 2021, 12, 666198.   | 2.2 | 8         |
| 77 | Complementary Roles of Short and Long Pentraxins in the Complement-Mediated Immune Response to <i>Aspergillus fumigatus</i> Infections. <i>Frontiers in Immunology</i> , 2021, 12, 785883.                         | 2.2 | 8         |
| 78 | Evaluation of cell metabolic adaptation in wound and tumour by Fluorescence Lifetime Imaging Microscopy. <i>Scientific Reports</i> , 2020, 10, 6289.   | 1.6 | 6         |
| 79 | Optical <i>in vivo</i> imaging detection of preclinical models of gut tumors through the expression of integrin $\alpha V\beta 3$ . <i>Oncotarget</i> , 2018, 9, 31380-31396.                                      | 0.8 | 4         |
| 80 | Editorial: Interactions of Pentraxins and Complement in Infection, Inflammation, and Cancer. <i>Frontiers in Immunology</i> , 2022, 13, 861359.  | 2.2 | 2         |
| 81 | Correction: Early and Transient Release of Leukocyte Pentraxin 3 during Acute Myocardial Infarction. <i>Journal of Immunology</i> , 2011, 187, 6582-6582.  | 0.4 | 1         |
| 82 | Endothelial deficiency of L1 reduces tumor angiogenesis and promotes vessel normalization. <i>Journal of Clinical Investigation</i> , 2014, 124, 5085-5085.  | 3.9 | 1         |
| 83 | The Long Pentraxin PTX3, a Soluble Pattern Recognition Receptor Involved in Innate Immunity, Inflammation and Female Fertility. <i>Current Immunology Reviews</i> , 2006, 2, 319-329.                              | 1.2 | 1         |
| 84 | The long pentraxin PTX3: from innate immunity to ischemic heart disorders. <i>International Congress Series</i> , 2004, 1262, 63-66.   | 0.2 | 0         |
| 85 | Production of the Long Pentraxin PTX3 by Myeloid Dendritic Cells: Linking Cellular and Humoral Innate Immunity. , 0, , 165-174.  |     | 0         |
| 86 | Phagocytes Are a Source of the Fluid-Phase Pattern Recognition Receptor PTX3: Interplay between Cellular and Humoral Innate Immunity. , 0, , 171-P2.   |     | 0         |
| 87 | An acidic microenvironment sets the humoral pattern recognition molecule PTX3 in a tissue repair mode. <i>Journal of Cell Biology</i> , 2015, 209, 2094OIA93.  | 2.3 | 0         |