

Alessandra Cambi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125
papers

6,141
citations

42
h-index

76
g-index

174
ext. papers

6,873
ext. citations

5.4
avg, IF

5.44
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 125 | The Therapeutic Potential of Tackling Tumor-Induced Dendritic Cell Dysfunction in Colorectal Cancer. <i>Frontiers in Immunology</i> , 2021 , 12, 724883 | 8.4 | 0 |
| 124 | The Localization of Alpha-synuclein in the Endocytic Pathway. <i>Neuroscience</i> , 2021 , 457, 186-195 | 3.9 | 9 |
| 123 | Tissue remodeling by invadosomes. <i>Faculty Reviews</i> , 2021 , 10, 39 | 1.2 | 11 |
| 122 | Biological and Technical Challenges in Unraveling the Role of N-Glycans in Immune Receptor Regulation. <i>Frontiers in Chemistry</i> , 2020 , 8, 55 | 5 | 10 |
| 121 | Characterization of the Signaling Modalities of Prostaglandin E2 Receptors EP2 and EP4 Reveals Crosstalk and a Role for Microtubules. <i>Frontiers in Immunology</i> , 2020 , 11, 613286 | 8.4 | 1 |
| 120 | Certainty-based marking in a formative assessment improves student course appreciation but not summative examination scores. <i>BMC Medical Education</i> , 2019 , 19, 178 | 3.3 | 2 |
| 119 | Synthetic Semiflexible and Bioactive Brushes. <i>Biomacromolecules</i> , 2019 , 20, 2587-2597 | 6.9 | 8 |
| 118 | PLD-dependent phosphatidic acid microdomains are signaling platforms for podosome formation. <i>Scientific Reports</i> , 2019 , 9, 3556 | 4.9 | 10 |
| 117 | Patient Trust and Participation in Cell Biological Research. <i>Trends in Cell Biology</i> , 2019 , 29, 765-767 | 18.3 | 1 |
| 116 | Modular actin nano-architecture enables podosome protrusion and mechanosensing. <i>Nature Communications</i> , 2019 , 10, 5171 | 17.4 | 29 |
| 115 | MT1-MMP directs force-producing proteolytic contacts that drive tumor cell invasion. <i>Nature Communications</i> , 2019 , 10, 4886 | 17.4 | 36 |
| 114 | Intracellular Galectin-9 Controls Dendritic Cell Function by Maintaining Plasma Membrane Rigidity. <i>iScience</i> , 2019 , 22, 240-255 | 6.1 | 11 |
| 113 | Super-Resolution Correlative Light and Electron Microscopy (SR-CLEM) Reveals Novel Ultrastructural Insights Into Dendritic Cell Podosomes. <i>Frontiers in Immunology</i> , 2018 , 9, 1908 | 8.4 | 31 |
| 112 | Biophysical Characterization of CD6-TCR/CD3 Interplay in T Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 2333 | 8.4 | 7 |
| 111 | EP4 receptor promotes invadopodia and invasion in human breast cancer. <i>European Journal of Cell Biology</i> , 2017 , 96, 218-226 | 6.1 | 16 |
| 110 | Role for Mechanotransduction in Macrophage and Dendritic Cell Immunobiology. <i>Results and Problems in Cell Differentiation</i> , 2017 , 62, 209-242 | 1.4 | 16 |
| 109 | N-glycan mediated adhesion strengthening during pathogen-receptor binding revealed by cell-cell force spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 6713 | 4.9 | 14 |

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|-----|---|------|-----|
| 108 | Substrate stiffness influences phenotype and function of human antigen-presenting dendritic cells. <i>Scientific Reports</i> , 2017 , 7, 17511 | 4.9 | 43 |
| 107 | CLEC12A-Mediated Antigen Uptake and Cross-Presentation by Human Dendritic Cell Subsets Efficiently Boost Tumor-Reactive T Cell Responses. <i>Journal of Immunology</i> , 2016 , 197, 2715-25 | 5.3 | 30 |
| 106 | Changes in membrane sphingolipid composition modulate dynamics and adhesion of integrin nanoclusters. <i>Scientific Reports</i> , 2016 , 6, 20693 | 4.9 | 41 |
| 105 | Pseudo-Mannosylated DC-SIGN Ligands as Immunomodulants. <i>Scientific Reports</i> , 2016 , 6, 35373 | 4.9 | 25 |
| 104 | Actomyosin-dependent dynamic spatial patterns of cytoskeletal components drive mesoscale podosome organization. <i>Nature Communications</i> , 2016 , 7, 13127 | 17.4 | 44 |
| 103 | The Formins FHOD1 and INF2 regulate inter- and intra-structural contractility of podosomes. <i>Journal of Cell Science</i> , 2016 , 129, 298-313 | 5.3 | 42 |
| 102 | Proteome Based Construction of the Lymphocyte Function-Associated Antigen 1 (LFA-1) Interactome in Human Dendritic Cells. <i>PLoS ONE</i> , 2016 , 11, e0149637 | 3.7 | 2 |
| 101 | Mast cells and dendritic cells form synapses that facilitate antigen transfer for T cell activation. <i>Journal of Cell Biology</i> , 2015 , 210, 851-64 | 7.3 | 53 |
| 100 | AFM force spectroscopy reveals how subtle structural differences affect the interaction strength between <i>Candida albicans</i> and DC-SIGN. <i>Journal of Molecular Recognition</i> , 2015 , 28, 687-98 | 2.6 | 12 |
| 99 | Enhanced receptor-clathrin interactions induced by N-glycan-mediated membrane micropatterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11037-42 | 11.5 | 50 |
| 98 | Microdomains in the membrane landscape shape antigen-presenting cell function. <i>Journal of Leukocyte Biology</i> , 2014 , 95, 251-63 | 6.5 | 25 |
| 97 | Spatiotemporal organization and mechanosensory function of podosomes. <i>Cell Adhesion and Migration</i> , 2014 , 8, 268-72 | 3.2 | 24 |
| 96 | Dynamic coupling of ALCAM to the actin cortex strengthens cell adhesion to CD6. <i>Journal of Cell Science</i> , 2014 , 127, 1595-606 | 5.3 | 32 |
| 95 | Syntenin-1 and ezrin proteins link activated leukocyte cell adhesion molecule to the actin cytoskeleton. <i>Journal of Biological Chemistry</i> , 2014 , 289, 13445-60 | 5.4 | 28 |
| 94 | Podosomes of dendritic cells facilitate antigen sampling. <i>Journal of Cell Science</i> , 2014 , 127, 1052-1064 | 5.3 | 50 |
| 93 | Nanoclustering as a dominant feature of plasma membrane organization. <i>Journal of Cell Science</i> , 2014 , 127, 4995-5005 | 5.3 | 167 |
| 92 | Podosomes revealed by advanced bioimaging: what did we learn?. <i>European Journal of Cell Biology</i> , 2014 , 93, 380-7 | 6.1 | 18 |
| 91 | High Spatiotemporal Bioimaging Techniques to Study the Plasma Membrane Nanoscale Organization 2014 , 49-63 | | 2 |

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|----|---|------|----|
| 90 | Priming by chemokines restricts lateral mobility of the adhesion receptor LFA-1 and restores adhesion to ICAM-1 nano-aggregates on human mature dendritic cells. <i>PLoS ONE</i> , 2014 , 9, e99589 | 3.7 | 8 |
| 89 | Single-molecule imaging technique to study the dynamic regulation of GPCR function at the plasma membrane. <i>Methods in Enzymology</i> , 2013 , 521, 47-67 | 1.7 | 11 |
| 88 | The multiple faces of prostaglandin E2 G-protein coupled receptor signaling during the dendritic cell life cycle. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6542-55 | 6.3 | 29 |
| 87 | Interplay between myosin IIA-mediated contractility and actin network integrity orchestrates podosome composition and oscillations. <i>Nature Communications</i> , 2013 , 4, 1412 | 17.4 | 95 |
| 86 | Meeting report--Visualizing signaling nanoplatfoms at a higher spatiotemporal resolution. <i>Journal of Cell Science</i> , 2013 , 126, 3817-21 | 5.3 | 2 |
| 85 | Dual-color superresolution microscopy reveals nanoscale organization of mechanosensory podosomes. <i>Molecular Biology of the Cell</i> , 2013 , 24, 2112-23 | 3.5 | 85 |
| 84 | Automated podosome identification and characterization in fluorescence microscopy images. <i>Microscopy and Microanalysis</i> , 2013 , 19, 180-9 | 0.5 | 16 |
| 83 | A method for spatially resolved local intracellular mechanochemical sensing and organelle manipulation. <i>Biophysical Journal</i> , 2012 , 103, 395-404 | 2.9 | 9 |
| 82 | Nanoscale membrane organization: where biochemistry meets advanced microscopy. <i>ACS Chemical Biology</i> , 2012 , 7, 139-49 | 4.9 | 36 |
| 81 | Mast cell synapses and exosomes: membrane contacts for information exchange. <i>Frontiers in Immunology</i> , 2012 , 3, 46 | 8.4 | 52 |
| 80 | Binding and uptake of <i>Candida albicans</i> by human monocyte-derived dendritic cells. <i>Methods in Molecular Biology</i> , 2012 , 845, 319-31 | 1.4 | |
| 79 | Geometry sensing by dendritic cells dictates spatial organization and PGE(2)-induced dissolution of podosomes. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 1889-901 | 10.3 | 55 |
| 78 | The neck region of the C-type lectin DC-SIGN regulates its surface spatiotemporal organization and virus-binding capacity on antigen-presenting cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 38946-55 | 5.4 | 41 |
| 77 | Lateral mobility of individual integrin nanoclusters orchestrates the onset for leukocyte adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4869-74 | 11.5 | 74 |
| 76 | The tetraspanin CD37 orchestrates the $\alpha 4 \beta 1$ integrin-Akt signaling axis and supports long-lived plasma cell survival. <i>Science Signaling</i> , 2012 , 5, ra82 | 8.8 | 62 |
| 75 | Interleukin-4 alters early phagosome phenotype by modulating class I PI3K dependent lipid remodeling and protein recruitment. <i>PLoS ONE</i> , 2011 , 6, e22328 | 3.7 | 11 |
| 74 | Targeting DC-SIGN via its neck region leads to prolonged antigen residence in early endosomes, delayed lysosomal degradation, and cross-presentation. <i>Blood</i> , 2011 , 118, 4111-9 | 2.2 | 90 |
| 73 | The lymphoid chemokine CCL21 triggers LFA-1 adhesive properties on human dendritic cells. <i>Immunology and Cell Biology</i> , 2011 , 89, 458-65 | 5 | 15 |

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|----|--|------|-----|
| 72 | Interlaboratory round robin on cantilever calibration for AFM force spectroscopy. <i>Ultramicroscopy</i> , 2011 , 111, 1659-69 | 3.1 | 93 |
| 71 | DEC-205 mediates antigen uptake and presentation by both resting and activated human plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2011 , 41, 1014-23 | 6.1 | 56 |
| 70 | Direct mapping of nanoscale compositional connectivity on intact cell membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15437-42 | 11.5 | 81 |
| 69 | Differential IL-17 production and mannan recognition contribute to fungal pathogenicity and commensalism. <i>Journal of Immunology</i> , 2010 , 184, 4258-68 | 5.3 | 53 |
| 68 | Molecular friction as a tool to identify functionalized alkanethiols. <i>Langmuir</i> , 2010 , 26, 6357-66 | 4 | 24 |
| 67 | A nanometer scale optical view on the compartmentalization of cell membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 777-87 | 3.8 | 43 |
| 66 | AFM topography and friction studies of hydrogen-bonded bilayers of functionalized alkanethiols. <i>Soft Matter</i> , 2010 , 6, 3450 | 3.6 | 6 |
| 65 | Hotspots of GPI-anchored proteins and integrin nanoclusters function as nucleation sites for cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18557-62 | 11.5 | 187 |
| 64 | DCIR is endocytosed into human dendritic cells and inhibits TLR8-mediated cytokine production. <i>Journal of Leukocyte Biology</i> , 2009 , 85, 518-25 | 6.5 | 107 |
| 63 | Modulation of Toll-like receptor 2 (TLR2) and TLR4 responses by <i>Aspergillus fumigatus</i> . <i>Infection and Immunity</i> , 2009 , 77, 2184-92 | 3.7 | 86 |
| 62 | Necrosis: C-type lectins sense cell death. <i>Current Biology</i> , 2009 , 19, R375-8 | 6.3 | 47 |
| 61 | The C-type lectin DC-SIGN internalizes soluble antigens and HIV-1 virions via a clathrin-dependent mechanism. <i>European Journal of Immunology</i> , 2009 , 39, 1923-8 | 6.1 | 50 |
| 60 | Dynamic re-organization of individual adhesion nanoclusters in living cells by ligand-patterned surfaces. <i>Small</i> , 2009 , 5, 1258-63 | 11 | 9 |
| 59 | Human dectin-1 deficiency and mucocutaneous fungal infections. <i>New England Journal of Medicine</i> , 2009 , 361, 1760-7 | 59.2 | 573 |
| 58 | Dendritic cell interaction with <i>Candida albicans</i> critically depends on N-linked mannan. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20590-9 | 5.4 | 174 |
| 57 | A symbiosis: tracking cell signaling with expression probes, quantum dots and a programmable array microscope (PAM) 2008 , 335-336 | | |
| 56 | Nanoscale organization of the pathogen receptor DC-SIGN mapped by single-molecule high-resolution fluorescence microscopy. <i>ChemPhysChem</i> , 2007 , 8, 1473-80 | 3.2 | 79 |
| 55 | Distinct kinetic and mechanical properties govern ALCAM-mediated interactions as shown by single-molecule force spectroscopy. <i>Journal of Cell Science</i> , 2007 , 120, 3965-76 | 5.3 | 33 |

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|----|---|------|-----|
| 54 | Ligand-conjugated quantum dots monitor antigen uptake and processing by dendritic cells. <i>Nano Letters</i> , 2007 , 7, 970-7 | 11.5 | 95 |
| 53 | Detection of Fungi by Mannose-based Recognition Receptors 2007 , 293-307 | | 4 |
| 52 | C-type lectins on dendritic cells and their interaction with pathogen-derived and endogenous glycoconjugates. <i>Current Protein and Peptide Science</i> , 2006 , 7, 283-94 | 2.8 | 19 |
| 51 | Organization of the integrin LFA-1 in nanoclusters regulates its activity. <i>Molecular Biology of the Cell</i> , 2006 , 17, 4270-81 | 3.5 | 102 |
| 50 | "Sweet talk": closing in on C type lectin signaling. <i>Immunity</i> , 2005 , 22, 399-400 | 32.3 | 25 |
| 49 | Levels of complexity in pathogen recognition by C-type lectins. <i>Current Opinion in Immunology</i> , 2005 , 17, 345-51 | 7.8 | 66 |
| 48 | Near-field fluorescence microscopy. <i>Nanobiotechnology</i> , 2005 , 1, 113-120 | | 19 |
| 47 | How C-type lectins detect pathogens. <i>Cellular Microbiology</i> , 2005 , 7, 481-8 | 3.9 | 314 |
| 46 | Microdomains of the C-type lectin DC-SIGN are portals for virus entry into dendritic cells. <i>Journal of Cell Biology</i> , 2004 , 164, 145-55 | 7.3 | 197 |
| 45 | Near-field scanning optical microscopy in liquid for high resolution single molecule detection on dendritic cells. <i>FEBS Letters</i> , 2004 , 573, 6-10 | 3.8 | 91 |
| 44 | NK cell activation by dendritic cells (DCs) requires the formation of a synapse leading to IL-12 polarization in DCs. <i>Blood</i> , 2004 , 104, 3267-75 | 2.2 | 276 |
| 43 | Dual function of C-type lectin-like receptors in the immune system. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 539-46 | 9 | 214 |
| 42 | The C-type lectin DC-SIGN (CD209) is an antigen-uptake receptor for <i>Candida albicans</i> on dendritic cells. <i>European Journal of Immunology</i> , 2003 , 33, 532-8 | 6.1 | 298 |
| 41 | Dual function of C-type lectin-like receptors in the immune system. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 539-539 | 9 | 1 |
| 40 | Cytidine deaminase from two extremophilic bacteria: cloning, expression and comparison of their structural stability. <i>Protein Engineering, Design and Selection</i> , 2001 , 14, 807-13 | 1.9 | 5 |
| 39 | Changes of lysosomal enzyme activities in sea bass (<i>Dicentrarchus labrax</i>) eggs and developing embryos. <i>Aquaculture</i> , 2001 , 202, 249-256 | 4.4 | 72 |
| 38 | Cell biology beyond the diffraction limit: near-field scanning optical microscopy. <i>Journal of Cell Science</i> , 2001 , 114, 4153-4160 | 5.3 | 155 |
| 37 | Cell biology beyond the diffraction limit: near-field scanning optical microscopy. <i>Journal of Cell Science</i> , 2001 , 114, 4153-60 | 5.3 | 115 |

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|----|--|-----|-----|
| 36 | Possible role of two phenylalanine residues in the active site of human cytidine deaminase. <i>Protein Engineering, Design and Selection</i> , 2000 , 13, 791-9 | 1.9 | 13 |
| 35 | Biomolecular interactions measured by atomic force microscopy. <i>Biophysical Journal</i> , 2000 , 79, 3267-81 | 2.9 | 202 |
| 34 | Yolk formation and degradation during oocyte maturation in seabream <i>Sparus aurata</i> : involvement of two lysosomal proteinases. <i>Biology of Reproduction</i> , 1999 , 60, 140-6 | 3.9 | 145 |
| 33 | Cloning, expression, and purification of cytidine deaminase from <i>Arabidopsis thaliana</i> . <i>Protein Expression and Purification</i> , 1999 , 15, 8-15 | 2 | 34 |
| 32 | A comparison of the enantioselectivities of human deoxycytidine kinase and human cytidine deaminase. <i>Biochemical Pharmacology</i> , 1998 , 56, 1237-42 | 6 | 19 |
| 31 | Identification of four amino acid residues essential for catalysis in human cytidine deaminase by site-directed mutagenesis and chemical modifications. <i>Protein Engineering, Design and Selection</i> , 1998 , 11, 59-63 | 1.9 | 17 |
| 30 | Studies on cysteine residues involved in the active site of human cytidine deaminase. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 431, 305-8 | 3.6 | |
| 29 | Role of glutamate-67 in the catalytic mechanism of human cytidine deaminase. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 431, 287-91 | 3.6 | 1 |
| 28 | Human placenta cytidine deaminase: a zinc metalloprotein. <i>IUBMB Life</i> , 1997 , 42, 469-76 | 4.7 | |
| 27 | Recombinant human cytidine deaminase: expression, purification, and characterization. <i>Protein Expression and Purification</i> , 1996 , 8, 247-53 | 2 | 55 |
| 26 | HPLC Analysis of Boldine in Tablets and Syrup. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992 , 15, 617-624 | | 6 |
| 25 | Gauge dependence of nonrelativistic calculations of deuteron photodisintegration. <i>Physical Review C</i> , 1990 , 41, 841-848 | 2.7 | 18 |
| 24 | Reply to "Comment on Center-of-mass motion and Siegert's theorem". <i>Physical Review C</i> , 1988 , 38, 2976-2977 | 2.7 | 1 |
| 23 | Relativistic effects in deuteron electrodisintegration. <i>European Physical Journal D</i> , 1986 , 36, 309-311 | | 1 |
| 22 | Relativistic effects in deuteron photoabsorption sum rules. <i>Journal of Physics G: Nuclear Physics</i> , 1985 , 11, 897-908 | | 1 |
| 21 | Relativistic effects in the forward deuteron photodisintegration cross section. <i>Journal of Physics G: Nuclear Physics</i> , 1984 , 10, L11-L15 | | 36 |
| 20 | Cross section and polarization in deuteron photodisintegration: General formulas. <i>Physical Review C</i> , 1982 , 26, 2358-2366 | 2.7 | 23 |
| 19 | Relativistic and Mesonic Corrections to the Forward Cross Section for $d(\pi p)n$. <i>Physical Review Letters</i> , 1982 , 48, 462-465 | 7.4 | 92 |

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|----|--|-----|----|
| 18 | Two-body modifications of the Siegert dipole operator and doubly radiative n-p capture. <i>Nuclear Physics A</i> , 1981 , 356, 469-482 | 1.3 | |
| 17 | Two-body effects in deuteron photoabsorption sum rules. <i>Physical Review C</i> , 1981 , 23, 992-1000 | 2.7 | 14 |
| 16 | Consistency between pion exchange currents and NN potential in doubly radiative n β capture. <i>Physical Review C</i> , 1980 , 21, 1921-1931 | 2.7 | 1 |
| 15 | High-performance liquid chromatographic determination of phosphocreatinine and creatinine in pharmaceutical preparations. <i>Journal of Chromatography A</i> , 1979 , 179, 365-369 | 4.5 | |
| 14 | Determination of ketoprofen by direct injection of deproteinized body fluids into a high-pressure liquid chromatographic system. <i>Journal of Pharmaceutical Sciences</i> , 1979 , 68, 366-8 | 3.9 | 11 |
| 13 | Doubly radiative np capture.M1-M1 transitions 1978 , 47, 421-429 | | 5 |
| 12 | New and simple method for determination of 2-(3-benzoylphenyl)propionic acid in body fluid. <i>Journal of Pharmaceutical Sciences</i> , 1977 , 66, 281-2 | 3.9 | 11 |
| 11 | A compact electron spectrometer for in-beam measurements of internal conversion coefficients. <i>Nuclear Instruments & Methods</i> , 1972 , 103, 331-335 | | 16 |
| 10 | Lifetimes of some levels in ³⁰ P 1971 , 4, 45-60 | | 11 |
| 9 | Spin and parity of some excited states of ⁴⁸ Sc. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ Italiana Di Fisica</i> , 1971 , 2, 537-540 | | 7 |
| 8 | Lifetime of the first excited state in ²⁹ P and ²⁹ Si. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1969 , 30, 94-96 | 4.2 | 15 |
| 7 | Strength of analogueE2 transitions in ³⁰ Si and ³⁰ P. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ Italiana Di Fisica</i> , 1969 , 2, 775-779 | | 9 |
| 6 | Analysis of the decay of the two-neutron 8 β state in ¹⁷⁶ Yb 1967 , 52, 229-232 | | 4 |
| 5 | Chemo-mechanical Diffusion Waves Orchestrate Collective Dynamics of Immune Cell Podosomes | | 1 |
| 4 | Modular actin nano-architecture enables podosome protrusion and mechanosensing | | 2 |
| 3 | Intracellular Galectin-9 controls dendritic cell function by maintaining plasma membrane rigidity | | 1 |
| 2 | C-Type Lectins: Multifaceted Receptors in Phagocyte Biology123-135 | | |
| 1 | Nanomedicine in cancer therapy: promises and hurdles of polymeric nanoparticles. <i>Exploration of Medicine</i> , | 1.1 | 3 |

