# PaweÅ, A Osmulski

List of Publications by Year
in descending order



| 75 | 2,034 | 236612 | 264894 |
|---|---|---|---|
| papers | citations | 25 h-index | 42 g-index |

| 77 | 77 | 77 | 2719 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Genetic and pharmacologic proteasome augmentation ameliorates Alzheimerâ€™s-like pathology in mouse and fly APP overexpression models. Science Advances, 2022, 8, . | 4.7 | 20 |
| 2 | Evidence for 2-Methoxyestradiol-Mediated Inhibition of Receptor Tyrosine Kinase RON in the Management of Prostate Cancer. International Journal of Molecular Sciences, 2021, 22, 1852. | 1.8 | 8 |
| 3 | Contacts with Macrophages Promote an Aggressive Nanomechanical Phenotype of Circulating Tumor Cells in Prostate Cancer. Cancer Research, 2021, 81, 4110-4123. | 0.4 | 25 |
| 4 | Inhibitory Interplay of SULT2B1b Sulfotransferase with AKR1C3 Aldo-keto Reductase in Prostate Cancer. Endocrinology, 2020, 161, . | 1.4 | 5 |
| 5 | Single-Cell Proteomic Profiling Identifies Combined AXL and JAK1 Inhibition as a Novel Therapeutic Strategy for Lung Cancer. Cancer Research, 2020, 80, 1551-1563. | 0.4 | 40 |
| 6 | New Peptide-Based Pharmacophore Activates 20S Proteasome. Molecules, 2020, 25, 1439. | 1.7 | 14 |
| 7 | Adipokines Deregulate Cellular Communication via Epigenetic Repression of Gap Junction Loci in Obese Endometrial Cancer. Cancer Research, 2019, 79, 196-208. | 0.4 | 16 |
| 8 | Pipecolic esters as minimized templates for proteasome inhibition. Organic and Biomolecular Chemistry, 2019, 17, 2734-2746. | 1.5 | 10 |
| 9 | Proline- and Arginine-Rich Peptides as Flexible Allosteric Modulators of Human Proteasome Activity. Journal of Medicinal Chemistry, 2019, 62, 359-370. | 2.9 | 32 |
| 10 | Small Molecule Modulation of Proteasome Assembly. Biochemistry, 2018, 57, 4214-4224. | 1.2 | 52 |
| 11 | Targeting Proteinâ€“Protein Interactions in the Ubiquitinâ€“Proteasome Pathway. Advances in Protein Chemistry and Structural Biology, 2018, 110, 123-165. | 1.0 | 12 |
| 12 | Cellular cholesterol regulates monocyte deformation. Journal of Biomechanics, 2017, 52, 83-88. | 0.9 | 11 |
| 13 | Cholesterol Regulates Monocyte Rolling through CD44 Distribution. Biophysical Journal, 2017, 112, 1481-1488. | 0.2 | 23 |
| 14 | Sustained <scp>NF</scp>ÎºB inhibition improves insulin sensitivity but is detrimental to muscle health. Aging Cell, 2017, 16, 847-858. | 3.0 | 19 |
| 15 | Regulation of Proteasomal Catalytic Activity by Altering its Protein-Protein Interactions. Biophysical Journal, 2017, 112, 496a. | 0.2 | 0 |
| 16 | EGFR-Dependent Regulated Intramembrane Proteolysis of EpCAMâ€”Response. Cancer Research, 2017, 77, 1777-1777. | 0.4 | 3 |
| 17 | Anticancer applications of allosteric inhibitors of proteasome.. Journal of Clinical Oncology, 2017, 35, e23066-e23066. | 0.8 | 1 |
| 18 | AFM Imaging Reveals Topographic Diversity of Wild Type and Z Variant Polymers of Human Î±1-Proteinase Inhibitor. PLoS ONE, 2016, 11, e0151902. | 1.1 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | From Single Molecules to Single Cells: Biophysics of Interactions between Small Regulators and Proteasome. Biophysical Journal, 2016, 110, 218a. | 0.2 | 0 |
| 20 | EpCAM-Regulated Transcription Exerts Influences on Nanomechanical Properties of Endometrial Cancer Cells That Promote Epithelial-to-Mesenchymal Transition. Cancer Research, 2016, 76, 6171-6182. | 0.4 | 46 |
| 21 | TGF-Î² signal rewiring sustains epithelial-mesenchymal transition of circulating tumor cells in prostate cancer xenograft hosts. Oncotarget, 2016, 7, 77124-77137. | 0.8 | 15 |
| 22 | Crosstalk between RON and androgen receptor signaling in the development of castration resistant prostate cancer. Oncotarget, 2016, 7, 14048-14063. | 0.8 | 17 |
| 23 | A new concept to target the proteasome: disrupting protein-protein interactions in the proteasome super-assembly as a way to stop the growth of cancer cells.. Journal of Clinical Oncology, 2016, 34, e14113-e14113. | 0.8 | 0 |
| 24 | Abstract 2871: Dual role of EpCAM cleavage in adhesion attenuation and transcription enhancement for cell migration. , 2016, , . | | 0 |
| 25 | Atomic Force Microscopy of Triple Negative Breast Cancer Cells: A Predictive Value of Mechanical Phenotype. Biophysical Journal, 2015, 108, 141a. | 0.2 | 0 |
| 26 | Interplay between Structure and Charge as a Key to Allosteric Modulation of Human 20S Proteasome by the Basic Fragment of HIV-1 Tat Protein. PLoS ONE, 2015, 10, e0143038. | 1.1 | 12 |
| 27 | Targeting Protein-Protein Interactions in the Proteasome Super-Assemblies.. Current Topics in Medicinal Chemistry, 2015, 15, 2056-2067. | 1.0 | 10 |
| 28 | Abstract P6-02-10: Targeting protein-protein interactions in the proteasome assemblies as a novel strategy to treat triple negative breast cancers. , 2015, , . | | 0 |
| 29 | Dissecting a role of a charge and conformation of Tat2 peptide in allosteric regulation of 20S proteasome. Journal of Peptide Science, 2014, 20, 649-656. | 0.8 | 10 |
| 30 | Harnessing Proteasome Dynamics and Allostery in Drug Design. Antioxidants and Redox Signaling, 2014, 21, 2286-2301. | 2.5 | 19 |
| 31 | Structural Dynamics of Proteasome: AFM Perspective. Biophysical Journal, 2014, 106, 799a. | 0.2 | 0 |
| 32 | Nanomechanical biomarkers of single circulating tumor cells for detection of castration resistant prostate cancer. Prostate, 2014, 74, 1297-1307. | 1.2 | 35 |
| 33 | A cytosolic protein factor from the naked mole-rat activates proteasomes of other species and protects these from inhibition. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2060-2072. | 1.8 | 49 |
| 34 | Epithelial-to-mesenchymal (EMT) markers and nanomechanical signatures of circulating tumor cells (CTC) for prediction of men with castrate-sensitive versus castration-resistant prostate cancer (PCa).. Journal of Clinical Oncology, 2014, 32, 11045-11045. | 0.8 | 0 |
| 35 | Abstract 5588: Epithelial-to-mesenchymal markers of circulating tumor cells for detection of castration-resistant prostate cancer. , 2014, , . | | 0 |
| 36 | Singleâ€cell analysis of circulating tumor cells identifies cumulative expression patterns of EMTâ€related genes in metastatic prostate cancer. Prostate, 2013, 73, 813-826. | 1.2 | 207 |

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|---|---|---|---|
| 37 | Atomic Force Microscopy reveals Diversity of Serpin Polymers. Biophysical Journal, 2013, 104, 513a. | 0.2 | 0 |
| 38 | Amyloid beta and the longest-lived rodent: the naked mole-rat as a model for natural protection from Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2352-2360. | 1.5 | 76 |
| 39 | Rapamycin Allosterically Inhibits the Proteasome. Molecular Pharmacology, 2013, 84, 104-113. | 1.0 | 36 |
| 40 | The proteasome in health and disease. Current Pharmaceutical Design, 2013, 19, 1010-28. | 0.9 | 34 |
| 41 | The Growth-Suppressive Function of the Polycomb Group Protein Polyhomeotic Is Mediated by Polymerization of Its Sterile Alpha Motif (SAM) Domain. Journal of Biological Chemistry, 2012, 287, 8702-8713. | 1.6 | 54 |
| 42 | Scanning Probe Microscopy of Serpin Polymers. Biophysical Journal, 2012, 102, 589a. | 0.2 | 0 |
| 43 | Altered Composition of Liver Proteasome Assemblies Contributes to Enhanced Proteasome Activity in the Exceptionally Long-Lived Naked Mole-Rat. PLoS ONE, 2012, 7, e35890. | 1.1 | 96 |
| 44 | The Proteasome in Health and Disease. Current Pharmaceutical Design, 2012, 19, 1010-1028. | 0.9 | 7 |
| 45 | The Proteasome in Health and Disease. Current Pharmaceutical Design, 2012, 19, 1010-1028. | 0.9 | 19 |
| 46 | Atomic Force Microscopy of Proteasome Assemblies. Methods in Molecular Biology, 2011, 736, 117-132. | 0.4 | 13 |
| 47 | Molecular mechanisms of proteasome plasticity in aging. Mechanisms of Ageing and Development, 2010, 131, 144-155. | 2.2 | 31 |
| 48 | Potential allosteric modulators of the proteasome activity. Biopolymers, 2010, 93, 481-495. | 1.2 | 24 |
| 49 | Phosphorylation by Nek1 regulates opening and closing of voltage dependent anion channel 1. Biochemical and Biophysical Research Communications, 2010, 394, 798-803. | 1.0 | 44 |
| 50 | A Tetrahedral Transition State at the Active Sites of the 20S Proteasome Is Coupled to Opening of the Î±-Ring Channel. Structure, 2009, 17, 1137-1147. | 1.6 | 84 |
| 51 | AFM of biological complexes: What can we learn?. Current Opinion in Colloid and Interface Science, 2008, 13, 351-367. | 3.4 | 50 |
| 52 | The central unit within the 19S regulatory particle of the proteasome. Nature Structural and Molecular Biology, 2008, 15, 573-580. | 3.6 | 103 |
| 53 | Chapter 3 Atomic Force Microscopy as a Tool to Study the Proteasome Assemblies. Methods in Cell Biology, 2008, 90, 39-60. | 0.5 | 0 |
| 54 | Allosteric Regulators of the Proteasome: Potential Drugs and a Novel Approach for Drug Design. Current Medicinal Chemistry, 2006, 13, 155-165. | 1.2 | 20 |

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| 55 | Highbrow proteasome in high-throughput technology. Expert Review of Proteomics, 2006, 3, 115-127. | 1.3 | 3 |
| 56 | Atomic Force Microscopy of the Proteasome. Methods in Enzymology, 2005, 398, 414-425. | 0.4 | 11 |
| 57 | Small-Molecule Inhibitors of Proteasome Activity. , 2005, 301, 003-022. | | 38 |
| 58 | Characterization of Noncompetitive Regulators of Proteasome Activity. Methods in Enzymology, 2005, 398, 425-438. | 0.4 | 23 |
| 59 | Atomic force microscopic analysis of the binding of the Schizosaccharomyces pombe origin recognition complex and the spOrc4 protein with origin DNA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17952-17957. | 3.3 | 37 |
| 60 | DNA-looping by RXR Tetramers Permits Transcriptional Regulation â€œat a Distanceâ€• Journal of Molecular Biology, 2004, 343, 327-338. | 2.0 | 33 |
| 61 | Proline- and Arginine-Rich Peptides Constitute a Novel Class of Allosteric Inhibitors of Proteasome Activityâ€. Biochemistry, 2003, 42, 8663-8670. | 1.2 | 112 |
| 62 | Nanoenzymology of the 20S Proteasome:Â Proteasomal Actions Are Controlled by the Allosteric Transitionâ€. Biochemistry, 2002, 41, 7047-7053. | 1.2 | 56 |
| 63 | Caretaker or undertaker? The role of the proteasome in aging. Mechanisms of Ageing and Development, 2001, 122, 235-254. | 2.2 | 84 |
| 64 | Atomic Force Microscopy Reveals Two Conformations of the 20 S Proteasome from Fission Yeast. Journal of Biological Chemistry, 2000, 275, 13171-13174. | 1.6 | 55 |
| 65 | A new large proteolytic complex distinct from the proteasome is present in the cytosol of fission yeast. Current Biology, 1998, 8, 1023-1026. | 1.8 | 22 |
| 66 | High-Pressure-Assisted Reconstitution of Recombinant Chloroperoxidase. Biochemistry, 1995, 34, 12420-12425. | 1.2 | 27 |
| 67 | Temperature dependence of the spinS=1/2 fluctuation rate and the low-spin versus high-spin transition in native chloroperoxidase. Hyperfine Interactions, 1994, 91, 865-874. | 0.2 | 1 |
| 68 | ENDOR Determination of Heme Ligation in Chloroperoxidase and Comparison with Cytochrome P-450Cam. Journal of the American Chemical Society, 1994, 116, 5989-5990. | 6.6 | 34 |
| 69 | Characterization of hemoglobin from the backswimmer Buenoa margaritacea (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5<br>Biology, 1993, 23, 421-429. | 1.2 | 2 |
| 70 | Spectrosopic studies of an insect hemoglobin from the backswimmer Buenoa margaritacea (hemiptera:notonectidae). Biochemical and Biophysical Research Communications, 1992, 187, 570-576. | 1.0 | 5 |
| 71 | The Structure and Function of Chironomus Hemoglobins. , 1991, , 305-312. | | 2 |
| 72 | Radiation-induced changes of structural and functional properties of human hemoglobin. Radiation and Environmental Biophysics, 1989, 28, 39-46. | 0.6 | 13 |

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| 73 | Radiation-induced changes of structural and functional properties of human hemoglobin. Radiation and Environmental Biophysics, 1989, 28, 47-58. | 0.6 | 8 |
| 74 | Structure, function and physiological role of chironomus haemoglobin. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1986, 85, 701-722. | 0.2 | 57 |
| 75 | Seasonal variability of hemoglobin content and component composition of Chironomus thummi thummi larvae. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1985, 80, 613-616. | 0.2 | 2 |