

# Angel Ayuso-Sacido

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

2,770  
citations

236612

25  
h-index

182168

51  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5112  
citing authors

#	ARTICLE	IF	CITATIONS
1	New PCR Primers for the Screening of NRPS and PKS-I Systems in Actinomycetes: Detection and Distribution of These Biosynthetic Gene Sequences in Major Taxonomic Groups. <i>Microbial Ecology</i> , 2005, 49, 10-24.	1.4	321
2	A small noncoding RNA signature found in exosomes of GBM patient serum as a diagnostic tool. <i>Neuro-Oncology</i> , 2014, 16, 520-527.	0.6	298
3	Different gDNA content in the subpopulations of prostate cancer extracellular vesicles: Apoptotic bodies, microvesicles, and exosomes. <i>Prostate</i> , 2014, 74, 1379-1390.	1.2	223
4	DNA sequences within glioma-derived extracellular vesicles can cross the intact blood-brain barrier and be detected in peripheral blood of patients. <i>Oncotarget</i> , 2017, 8, 1416-1428.	0.8	193
5	Actinomycetes isolated from lichens: Evaluation of their diversity and detection of biosynthetic gene sequences. <i>FEMS Microbiology Ecology</i> , 2005, 54, 401-415.	1.3	165
6	Inhibition of DYRK1A destabilizes EGFR and reduces EGFR-dependent glioblastoma growth. <i>Journal of Clinical Investigation</i> , 2013, 123, 2475-2487.	3.9	110
7	Activated EGFR signaling increases proliferation, survival, and migration and blocks neuronal differentiation in post-natal neural stem cells. <i>Journal of Neuro-Oncology</i> , 2010, 97, 323-337.	1.4	104
8	Engineering Iron Oxide Nanoparticles for Clinical Settings. <i>Nanobiomedicine</i> , 2014, 1, 2.	4.4	101
9	Effects of MRI Contrast Agents on the Stem Cell Phenotype. <i>Cell Transplantation</i> , 2010, 19, 919-936.	1.2	76
10	Reversible neural stem cell niche dysfunction in a model of multiple sclerosis. <i>Annals of Neurology</i> , 2011, 69, 878-891.	2.8	72
11	LONG-TERM EXPANSION OF ADULT HUMAN BRAIN SUBVENTRICULAR ZONE PRECURSORS. <i>Neurosurgery</i> , 2008, 62, 223-231.	0.6	71
12	Vesicle-Mediated Control of Cell Function: The Role of Extracellular Matrix and Microenvironment. <i>Frontiers in Physiology</i> , 2018, 9, 651.	1.3	66
13	Extracellular vesicles compartment in liquid biopsies: Clinical application. <i>Molecular Aspects of Medicine</i> , 2018, 60, 27-37.	2.7	59
14	A novel actinomycete strain de-replication approach based on the diversity of polyketide synthase and nonribosomal peptide synthetase biosynthetic pathways. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 795-806.	1.7	55
15	Polyethylene glycol improves current methods for circulating extracellular vesicle-derived DNA isolation. <i>Journal of Translational Medicine</i> , 2019, 17, 75.	1.8	55
16	Behavioural immune landscapes of inflammation. <i>Nature</i> , 2022, 601, 415-421.	13.7	53
17	p73 deficiency results in impaired self renewal and premature neuronal differentiation of mouse neural progenitors independently of p53. <i>Cell Death and Disease</i> , 2010, 1, e109-e109.	2.7	50
18	The IDH-TAU-EGFR triad defines the neovascular landscape of diffuse gliomas. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	46

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19	Beyond the Warburg Effect: Oxidative and Glycolytic Phenotypes Coexist within the Metabolic Heterogeneity of Glioblastoma. <i>Cells</i> , 2021, 10, 202.	1.8	46
20	Biomechanical Cell Regulation by High Aspect Ratio Nanoimprinted Pillars. <i>Advanced Functional Materials</i> , 2016, 26, 5599-5609.	7.8	40
21	Acceleration of mesoderm development and expansion of hematopoietic progenitors in differentiating ES cells by the mouse <i>Mix</i> -like homeodomain transcription factor. <i>Blood</i> , 2006, 107, 3122-3130.	0.6	39
22	BRAF V600E Detection in Liquid Biopsies from Pediatric Central Nervous System Tumors. <i>Cancers</i> , 2020, 12, 66.	1.7	35
23	Oncolytic Virotherapy in Glioma Tumors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7604.	1.8	35
24	Unravelling glioblastoma heterogeneity by means of single-cell RNA sequencing. <i>Cancer Letters</i> , 2022, 527, 66-79.	3.2	32
25	Clinical Utility of Liquid Biopsy-Based Actionable Mutations Detected via ddPCR. <i>Biomedicines</i> , 2021, 9, 906.	1.4	30
26	The aberrant splicing of BAF45d links splicing regulation and transcription in glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 930-941.	0.6	29
27	A Xenogeneic-Free Protocol for Isolation and Expansion of Human Adipose Stem Cells for Clinical Uses. <i>PLoS ONE</i> , 2013, 8, e67870.	1.1	29
28	Cancer stem cells from human glioblastoma resemble but do not mimic original tumors after <i>in vitro</i> passaging in serum-free media. <i>Oncotarget</i> , 2016, 7, 65888-65901.	0.8	28
29	High expression of MKP1/DUSP1 counteracts glioma stem cell activity and mediates HDAC inhibitor response. <i>Oncogenesis</i> , 2017, 6, 401.	2.1	22
30	Bevacizumab dose adjustment to improve clinical outcomes of glioblastoma. <i>BMC Medicine</i> , 2020, 18, 142.	2.3	21
31	The Duality of Epidermal Growth Factor Receptor (EGFR) Signaling and Neural Stem Cell Phenotype: Cell Enhancer or Cell Transformer?. <i>Current Stem Cell Research and Therapy</i> , 2006, 1, 387-394.	0.6	21
32	Newcastle Disease Virus (NDV) Oncolytic Activity in Human Glioma Tumors Is Dependent on CDKN2A-Type I IFN Gene Cluster Codeletion. <i>Cells</i> , 2020, 9, 1405.	1.8	20
33	Thermal Route for the Synthesis of Maghemite/Hematite Core/Shell Nanowires. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23158-23165.	1.5	17
34	SOX2+ Cell Population from Normal Human Brain White Matter Is Able to Generate Mature Oligodendrocytes. <i>PLoS ONE</i> , 2014, 9, e99253.	1.1	16
35	Influence of Coating and Size of Magnetic Nanoparticles on Cellular Uptake for In Vitro MRI. <i>Nanomaterials</i> , 2021, 11, 2888.	1.9	15
36	Metabolic therapy and bioenergetic analysis: The missing piece of the puzzle. <i>Molecular Metabolism</i> , 2021, 54, 101389.	3.0	15

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37	Intraoperative brain mapping of language, cognitive functions, and social cognition in awake surgery of low-grade gliomas located in the right non-dominant hemisphere. <i>Clinical Neurology and Neurosurgery</i> , 2021, 200, 106363.	0.6	14
38	Detection of mouse endogenous type B astrocytes migrating towards brain lesions. <i>Stem Cell Research</i> , 2015, 14, 114-129.	0.3	13
39	Adhesion modification of neural stem cells induced by nanoscale ripple patterns. <i>Nanotechnology</i> , 2016, 27, 125301.	1.3	13
40	Development of a Human Extracellular Matrix for Applications Related with Stem Cells and Tissue Engineering. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 170-183.	5.6	12
41	Decreased Equilibrative Nucleoside Transporter 1 (ENT1) Activity Contributes to the High Extracellular Adenosine Levels in Mesenchymal Glioblastoma Stem-Like Cells. <i>Cells</i> , 2020, 9, 1914.	1.8	12
42	USE OF HUMAN NEURAL TISSUE FOR THE GENERATION OF PROGENITORS. <i>Neurosurgery</i> , 2008, 62, 21-30.	0.6	11
43	Proteomics and metabolomics approach in adult and pediatric glioma diagnostics. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188721.	3.3	11
44	Genomic instability of surgical sample and cancer-initiating cell lines from human glioblastoma. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1469.	3.0	10
45	Cancer-Initiating Enriched Cell Lines from Human Glioblastoma: Preparing for Drug Discovery Assays. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 288-298.	5.6	10
46	Drug resistance in cancer immunotherapy: new strategies to improve checkpoint inhibitor therapies. , 2019, 2, 980-993.		9
47	g-force induced giant efficiency of nanoparticles internalization into living cells. <i>Scientific Reports</i> , 2015, 5, 15160.	1.6	7
48	Ceramide Composition in Exosomes for Characterization of Glioblastoma Stem-Like Cell Phenotypes. <i>Frontiers in Oncology</i> , 2021, 11, 788100.	1.3	7
49	Assessing Neural Stem Cell Motility Using an Agarose Gel-based Microfluidic Device. <i>Journal of Visualized Experiments</i> , 2008, , .	0.2	5
50	Value of KI-67/MIB-1 labeling index and simpson grading system to predict the recurrence of who grade I intracranial meningiomas compared to who grade II. <i>Journal of Clinical Neuroscience</i> , 2021, 86, 32-37.	0.8	5
51	A Digital Method to Quantify Type I Interferon. <i>Journal of Interferon and Cytokine Research</i> , 2019, 39, 711-719.	0.5	4
52	Modelling the role of flux density and coating on nanoparticle internalization by tumor cells under centrifugation. <i>Applied Mathematical Modelling</i> , 2020, 78, 98-116.	2.2	4
53	Normal tissue content impact on the GBM molecular classification. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	4
54	Neuroendoscopic management of posterior third ventricle ependymoma with intraaqueductal and fourth ventricle extension: a case report and review of the literature. <i>Child's Nervous System</i> , 2017, 33, 2057-2060.	0.6	3

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55	Potential Therapeutic Effects of the Neural Stem Cell-Targeting Antibody Nilo1 in Patient-Derived Glioblastoma Stem Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1665.	1.3	3
56	Intraoperative brain mapping during awake surgery in symptomatic supratentorial cavernomas. <i>Neurocirugia</i> , 2021, 32, 217-223.	0.2	2
57	Brain Arteriovenous Malformations: Impact of Neurologic Status, Bleeding, and Type of Treatment on Final Outcome. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 130-137.	0.4	2
58	The Use of Peripheral Extracellular Vesicles for Identification of Molecular Biomarkers in a Solid Tumor Mouse Model. <i>Methods in Molecular Biology</i> , 2017, 1660, 397-406.	0.4	0
59	Large suprasellar craniopharyngioma surgery in adults through the trans-eyebrow supraorbital approach. <i>Acta Neurochirurgica</i> , 2017, 159, 1537-1537.	0.9	0
60	High level of suppressor-of-fused (SuFu) expression and tumor cells dissemination in human glioblastoma.. <i>Journal of Clinical Oncology</i> , 2014, 32, e22118-e22118.	0.8	0
61	GBM cell microvesicles carrying gDNA oncogenic sequences cross the BBB and reach the peripheral blood.. <i>Journal of Clinical Oncology</i> , 2014, 32, 11073-11073.	0.8	0
62	Real-world application of liquid biopsy in gastrointestinal tumors: Experience from a comprehensive cancer center.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14546-e14546.	0.8	0