Salvatore Pernagallo

List of Publications by Year
in descending order

36	849	471509 17	477307 29
papers	citations	h-index	g-index

39	39	39	1373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Developing High-Fidelity Hepatotoxicity Models From Pluripotent Stem Cells. Stem Cells Translational Medicine, 2013, 2, 505-509.	3.3	122
2	Unbiased screening of polymer libraries to define novel substrates for functional hepatocytes with inducible drug metabolism. Stem Cell Research, 2011, 6, 92-102.	0.7	95
3	Transcriptomics of Traumatic Brain Injury: Gene Expression and Molecular Pathways of Different Grades of Insult in a Rat Organotypic Hippocampal Culture Model. Journal of Neurotrauma, 2010, 27, 349-359.	3.4	51
4	Polymerase-free measurement of microRNA-122 with single base specificity using single molecule arrays: Detection of drug-induced liver injury. PLoS ONE, 2017, 12, e0179669.	2.5	48
5	A Conserved Oct4/POUV-Dependent Network Links Adhesion and Migration to Progenitor Maintenance. Current Biology, 2013, 23, 2233-2244.	3.9	41
6	Investigation of microsphere-mediated cellular delivery by chemical, microscopic and gene expression analysis. Molecular BioSystems, 2010, 6, 399-409.	2.9	34
7	Number of Nanoparticles per Cell through a Spectrophotometric Method - A key parameter to Assess Nanoparticle-based Cellular Assays. Scientific Reports, 2015, 5, 10091.	3.3	33
8	A cooperative polymer-DNA microarray approach to biomaterial investigation. Lab on A Chip, 2009, 9, 397-403.	6.0	32
9	Direct Detection of miR-122 in Hepatotoxicity Using Dynamic Chemical Labeling Overcomes Stability and isomiR Challenges. Analytical Chemistry, 2020, 92, 3388-3395.	6.5	32
10	Novel Biochip Platform for Nucleic Acid Analysis. Sensors, 2012, 12, 8100-8111.	3.8	30
11	Colonising new frontiersâ€”microarrays reveal biofilm modulating polymers. Journal of Materials Chemistry, 2011, 21, 96-101.	6.7	28
12	Bacteria repelling poly(methylmethacrylate-co-dimethylacrylamide) coatings for biomedical devices. Journal of Materials Chemistry B, 2014, 2, 6723-6729.	5.8	26
13	Novel Biopolymers to Enhance Endothelialisation of Intraâ€vascular Devices. Advanced Healthcare Materials, 2012, 1, 646-656.	7.6	25
14	Deciphering cellular morphology and biocompatibility using polymer microarrays. Biomedical Materials (Bristol), 2008, 3, 034112.	3.3	23
15	A soft 3D polyacrylate hydrogel recapitulates the cartilage niche and allows growth-factor free tissue engineering of human articular cartilage. Acta Biomaterialia, 2019, 90, 146-156.	8.3	23
16	Novel bead-based platform for direct detection of unlabelled nucleic acids through Single Nucleobase Labelling. Talanta, 2016, 161, 489-496.	5.5	22
17	The apoptotic machinery as a biological complex system: analysis of its omics and evolution, identification of candidate genes for fourteen major types of cancer, and experimental validation in CML and neuroblastoma. BMC Medical Genomics, 2009, 2, 20.	1.5	20
18	New Platform for the Direct Profiling of microRNAs in Biofluids. Analytical Chemistry, 2019, 91, 5874-5880.	6.5	17

#	Article	IF	Citations
19	Poly(ethylmethacrylate-co-diethylaminoethyl acrylate) coating improves endothelial re-population, bio-mechanical and anti-thrombogenic properties of decellularized carotid arteries for blood vessel replacement. Scientific Reports, 2017, 7, 407.	3.3	16
20	Identification of Trypanosomatids by detecting Single Nucleotide Fingerprints using DNA analysis by dynamic chemistry with MALDI-ToF. Talanta, 2018, 176, 299-307.	5.5	16
21	Identification and characterization of a bacterial hyaluronidase and its production in recombinant form. FEBS Letters, 2016, 590, 2180-2189.	2.8	15
22	A PCR-free technology to detect and quantify microRNAs directly from human plasma. Analyst, The, 2018, 143, 5676-5682.	3.5	15
23	miR-122 direct detection in human serum by time-gated fluorescence imaging. Chemical Communications, 2019, 55, 14958-14961.	4.1	13
24	PCR-free and chemistry-based technology for miR-21 rapid detection directly from tumour cells. Talanta, 2019, 200, 51-56.	5.5	12
25	Smartphone-Based Diagnosis of Parasitic Infections With Colorimetric Assays in Centrifuge Tubes. IEEE Access, 2019, 7, 185677-185686.	4.2	11
26	A colorimetric strategy based on dynamic chemistry for direct detection of Trypanosomatid species. Scientific Reports, 2019, 9, 3696.	3.3	9
27	Amplification-free profiling of microRNA-122 biomarker in DILI patient serums, using the luminex MAGPIX system. Talanta, 2020, 219, 121265.	5.5	8
28	Polymer Microarrays for Cellular High-Content Screening. Methods in Molecular Biology, 2011, 706, 171-180.	0.9	8
29	Maintaining Hepatic Stem Cell Gene Expression on Biological and Synthetic Substrata. BioResearch Open Access, 2012, 1, 50-53.	2.6	7
30	Simultaneous Detection of Drug-Induced Liver Injury Protein and microRNA Biomarkers Using Dynamic Chemical Labelling on a Luminex MAGPIX System. Analyticaâ€"A Journal of Analytical Chemistry and Chemical Analysis, 2021, 2, 130-139.	1.7	6
31	Time-Gated Luminescence Acquisition for Biochemical Sensing: miRNA Detection. Springer Series on Fluorescence, 2019, , 213-267.	0.8	5
32	Identification and Application of Polymers as Biomaterials for Tissue Engineering and Regenerative Medicine. , 2012, , 1-30.		3
33	Upscaling of high-throughput material platforms in two and three dimensions. , 2013, , 133-154.		1
34	High-throughput Identification of Bacteria Repellent Polymers for Medical Devices. Journal of Visualized Experiments, 2016, , .	0.3	1
35	844 POLYMER LIBRARY SCREENING IDENTIFIES AN EXTRACELLULAR MATRIX THAT PROMOTES AND STABILISES HUMAN EMBRYONIC STEM CELL-DERIVED HEPATOCYTE FUNCTION. Journal of Hepatology, 2009, 50, S307-S308.	3.7	0
36	Generation of Autologous Multipotent Endothelial-Like Cells from Lipoaspirates of Human Adipose-Derived Stem Cells and Polymer Microarrays Technology: Potential Cardiovascular Regeneration. Stem Cells and Cancer Stem Cells, 2014, , 151-164.	0.1	0