

Jody V Vykoukal

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,828
citations

172457

29
h-index

189892

50
g-index

50
all docs

50
docs citations

50
times ranked

5942
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle separation by dielectrophoresis. <i>Electrophoresis</i> , 2002, 23, 1973.	2.4	731
2	Cell Separation by Dielectrophoretic Field-flow-fractionation. <i>Analytical Chemistry</i> , 2000, 72, 832-839.	6.5	399
3	Droplet-based chemistry on a programmable micro-chip. <i>Lab on A Chip</i> , 2004, 4, 11.	6.0	234
4	Benchtop isolation and characterization of functional exosomes by sequential filtration. <i>Journal of Chromatography A</i> , 2014, 1371, 125-135.	3.7	212
5	Dielectrophoresis-based programmable fluidic processors. <i>Lab on A Chip</i> , 2004, 4, 299.	6.0	181
6	Inflammation-Stimulated Mesenchymal Stromal Cell-Derived Extracellular Vesicles Attenuate Inflammation. <i>Stem Cells</i> , 2018, 36, 79-90.	3.2	180
7	Separation of Polystyrene Microbeads Using Dielectrophoretic/Gravitational Field-Flow-Fractionation. <i>Biophysical Journal</i> , 1998, 74, 2689-2701.	0.5	158
8	Adipose tissue-derived stem cells promote prostate tumor growth. <i>Prostate</i> , 2010, 70, 1709-1715.	2.3	137
9	Enrichment of putative stem cells from adipose tissue using dielectrophoretic field-flow fractionation. <i>Lab on A Chip</i> , 2008, 8, 1386.	6.0	136
10	Exosomes harbor B cell targets in pancreatic adenocarcinoma and exert decoy function against complement-mediated cytotoxicity. <i>Nature Communications</i> , 2019, 10, 254.	12.8	120
11	Multiplex profiling of peritoneal metastases from gastric adenocarcinoma identified novel targets and molecular subtypes that predict treatment response. <i>Gut</i> , 2020, 69, 18-31.	12.1	94
12	A Plasma-Derived Protein-Metabolite Multiplexed Panel for Early-Stage Pancreatic Cancer. <i>Journal of the National Cancer Institute</i> , 2019, 111, 372-379.	6.3	79
13	Lead-Time Trajectory of CA19-9 as an Anchor Marker for Pancreatic Cancer Early Detection. <i>Gastroenterology</i> , 2021, 160, 1373-1383.e6.	1.3	77
14	RSPO2 Enhances Canonical Wnt Signaling to Confer Stemness-Associated Traits to Susceptible Pancreatic Cancer Cells. <i>Cancer Research</i> , 2015, 75, 1883-1896.	0.9	65
15	Dielectric characterization of complete mononuclear and polymorphonuclear blood cell subpopulations for label-free discrimination. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 477.	1.3	64
16	A Continuous-Flow Polymerase Chain Reaction Microchip With Regional Velocity Control. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 223-236.	2.5	61
17	Plasma-derived extracellular vesicle proteins as a source of biomarkers for lung adenocarcinoma. <i>Oncotarget</i> , 2017, 8, 95466-95480.	1.8	60
18	Breast cancer cells attract the migration of adipose tissue-derived stem cells via the PDGF-BB/PDGFR- β signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 601-605.	2.1	56

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19	Noninvasive in vivo assessment of muscle impairment in the mdx mouse model "A comparison of two common wire hanging methods with two different results. Journal of Neuroscience Methods, 2012, 203, 292-297.	2.5	49
20	Targeting the neurokinin-1 receptor inhibits growth of human colon cancer cells. International Journal of Oncology, 2015, 47, 151-160.	3.3	44
21	Stem cell-mediated delivery of SPIO-loaded gold nanoparticles for the theranosis of liver injury and hepatocellular carcinoma. Nanotechnology, 2014, 25, 405101.	2.6	43
22	Targeting the Neurokinin-1 Receptor Compromises Canonical Wnt Signaling in Hepatoblastoma. Molecular Cancer Therapeutics, 2015, 14, 2712-2721.	4.1	43
23	Proteomics Profiling of Exosomes from Primary Mouse Osteoblasts under Proliferation versus Mineralization Conditions and Characterization of Their Uptake into Prostate Cancer Cells. Journal of Proteome Research, 2017, 16, 2709-2728.	3.7	43
24	Blood-Based Biomarker Panel for Personalized Lung Cancer Risk Assessment. Journal of Clinical Oncology, 2022, 40, 876-883.	1.6	43
25	Association Between Plasma Diacetylspermine and Tumor Spermine Synthase With Outcome in Triple-Negative Breast Cancer. Journal of the National Cancer Institute, 2020, 112, 607-616.	6.3	40
26	Human adipose tissue-derived stem cells exhibit proliferation potential and spontaneous rhythmic contraction after fusion with neonatal rat cardiomyocytes. FASEB Journal, 2011, 25, 830-839.	0.5	38
27	Two sides of the same coin: stem cells in cancer and regenerative medicine. FASEB Journal, 2014, 28, 2748-2761.	0.5	38
28	Peripheral Motor and Sensory Nerve Conduction following Transplantation of Undifferentiated Autologous Adipose Tissue-derived Stem Cells in a Biodegradable U.S. Food and Drug Administration-approved Nerve Conduit. Plastic and Reconstructive Surgery, 2016, 138, 132-139.	1.4	37
29	Extracellular Vesicles Mediate B Cell Immune Response and Are a Potential Target for Cancer Therapy. Cells, 2020, 9, 1518.	4.1	35
30	Type I Collagen Nerve Conduits for Median Nerve Repairs in the Forearm. Journal of Hand Surgery, 2013, 38, 1119-1124.	1.6	31
31	Low expression of galectin-3 is associated with poor survival in node-positive breast cancers and mesenchymal phenotype in breast cancer stem cells. Breast Cancer Research, 2016, 18, 97.	5.0	28
32	Quantitative Detection of Bioassays with a Low-Cost Image Sensor Array for Integrated Microsystems. Angewandte Chemie - International Edition, 2009, 48, 7649-7654.	13.8	26
33	Cell surface galectin-3 defines a subset of chemoresistant gastrointestinal tumor-initiating cancer cells with heightened stem cell characteristics. Cell Death and Disease, 2016, 7, e2337-e2337.	6.3	25
34	JNK pathway inhibition selectively primes pancreatic cancer stem cells to TRAIL-induced apoptosis without affecting the physiology of normal tissue resident stem cells. Oncotarget, 2016, 7, 9890-9906.	1.8	24
35	Amino Acid Oncometabolism and Immunomodulation of the Tumor Microenvironment in Lung Cancer. Frontiers in Oncology, 2020, 10, 276.	2.8	23
36	Improved Method for Isolation of Neonatal Rat Cardiomyocytes with Increased Yield of C-Kit+ Cardiac Progenitor Cells. Journal of Stem Cell Research & Therapy, 2015, 05, 1-8.	0.3	22

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37	Plasma-Derived Extracellular Vesicles Convey Protein Signatures That Reflect Pathophysiology in Lung and Pancreatic Adenocarcinomas. <i>Cancers</i> , 2020, 12, 1147.	3.7	20
38	Assessment of DIEP Flap Perfusion with Intraoperative Indocyanine Green Fluorescence Imaging in Vasopressor-Dominated Hemodynamic Support Versus Liberal Fluid Administration: A Randomized Controlled Trial With Breast Cancer Patients. <i>Annals of Surgical Oncology</i> , 2020, 27, 399-406.	1.5	18
39	Targeted mass spectrometric analysis of N-terminally truncated isoforms generated via alternative translation initiation. <i>FEBS Letters</i> , 2009, 583, 2441-2445.	2.8	16
40	Dielectrically Addressable Microspheres Engineered Using Self-Assembled Monolayers. <i>Langmuir</i> , 2003, 19, 2425-2433.	3.5	15
41	Percutaneous Intraportal Application of Adipose Tissue-derived Mesenchymal Stem Cells Using a Balloon Occlusion Catheter in a Porcine Model of Liver Fibrosis. <i>Journal of Vascular and Interventional Radiology</i> , 2013, 24, 1871-1878.	0.5	12
42	Differential Effects of Coating Materials on Viability and Migration of Schwann Cells. <i>Materials</i> , 2016, 9, 150.	2.9	12
43	Clinical Impact of DIEP Flap Perforator Characteristics – A Prospective Indocyanine Green Fluorescence Imaging Study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020, 73, 1526-1533.	1.0	11
44	Liposome-mediated transfection with extract from neonatal rat cardiomyocytes induces transdifferentiation of human adipose-derived stem cells into cardiomyocytes. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2008, 68, 464-472.	1.2	10
45	Extracellular Vesicles in Lung Cancer: Prospects for Diagnostic and Therapeutic Applications. <i>Cancers</i> , 2021, 13, 4604.	3.7	10
46	Proteome Profiling Uncovers an Autoimmune Response Signature That Reflects Ovarian Cancer Pathogenesis. <i>Cancers</i> , 2020, 12, 485.	3.7	9
47	A High-Voltage SOI CMOS Exciter Chip for a Programmable Fluidic Processor System. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2007, 1, 105-115.	4.0	7
48	Long-term results after modified Epping procedure for trapeziometacarpal osteoarthritis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 1475-1484.	2.4	6
49	Magnetic resonance imaging as a novel method of characterization of cutaneous photoaging in a murine model. <i>Archives of Dermatological Research</i> , 2008, 300, 263-267.	1.9	4
50	Plasma Based Protein Signatures Associated with Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 3972.	3.7	2