Renzo Vanna

List of Publications by Year
in descending order

41 papers	1,167 citations	304743 22 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	2470 citing authors

#	Article	IF	Citations
1	Neuromelanin organelles are specialized autolysosomes that accumulate undegraded proteins and lipids in aging human brain and are likely involved in Parkinson's disease. Npj Parkinson's Disease, 2018, 4, 17.	5.3	101
2	Detection and Characterization of Different Brain-Derived Subpopulations of Plasma Exosomes by Surface Plasmon Resonance Imaging. Analytical Chemistry, 2018, 90, 8873-8880.	6.5	92
3	Raman spectroscopy uncovers biochemical tissue-related features of extracellular vesicles from mesenchymal stromal cells. Scientific Reports, 2017, 7, 9820.	3.3	77
4	Nano-Strategies to Target Breast Cancer-Associated Fibroblasts: Rearranging the Tumor Microenvironment to Achieve Antitumor Efficacy. International Journal of Molecular Sciences, 2019, 20, 1263.	4.1	71
5	H-Ferritin Enriches the Curcumin Uptake and Improves the Therapeutic Efficacy in Triple Negative Breast Cancer Cells. Biomacromolecules, 2017, 18, 3318-3330.	5.4	69
6	Neuromelanins of Human Brain Have Soluble and Insoluble Components with Dolichols Attached to the Melanic Structure. PLoS ONE, 2012, 7, e48490.	2.5	65
7	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. Analytical Chemistry, 2020, 92, 4053-4064.	6.5	50
8	Label-free imaging and identification of typical cells of acute myeloid leukaemia and myelodysplastic syndrome by Raman microspectroscopy. Analyst, The, 2015, 140, 1054-1064.	3.5	49
9	Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. Analytical Chemistry, 2020, 92, 15745-15756.	6.5	46
10	Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid-β and Inhibitor of Fibril Assembly. Journal of Alzheimer's Disease, 2017, 59, 1213-1226.	2.6	44
11	Chemical Perturbation of Oncogenic Protein Folding: from the Prediction of Locally Unstable Structures to the Design of Disruptors of Hsp90–Client Interactions. Chemistry - A European Journal, 2020, 26, 9459-9465.	3.3	39
12	Raman Spectroscopy Reveals That Biochemical Composition of Breast Microcalcifications Correlates with Histopathologic Features. Cancer Research, 2020, 80, 1762-1772.	0.9	37
13	A simple and universal enzyme-free approach for the detection of multiple microRNAs using a single nanostructured enhancer of surface plasmon resonance imaging. Analytical and Bioanalytical Chemistry, 2019, 411, 1873-1885.	3.7	36
14	Raman spectroscopy reveals biochemical differences in plasma derived extracellular vesicles from sporadic Amyotrophic Lateral Sclerosis patients. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102249.	3.3	36
15	Antiproliferative Effect of ASC-J9 Delivered by PLGA Nanoparticles against Estrogen-Dependent Breast Cancer Cells. Molecular Pharmaceutics, 2014, 11, 2864-2875.	4.6	33
16	Immobilised gold nanostars in a paper-based test system for surface-enhanced Raman spectroscopy. Vibrational Spectroscopy, 2013, 68, 45-50.	2.2	32
17	Branched gold nanoparticles on ZnO 3D architecture as biomedical SERS sensors. RSC Advances, 2015, 5, 93644-93651.	3.6	30
18	A Bioorthogonal Probe for Multiscale Imaging by ^{19}F-MRI and Raman Microscopy: From Whole Body to Single Cells. Journal of the American Chemical Society, 2021, 143, 12253-12260.	13.7	29

#	Article	IF	Citations
19	Autologous fat transfer after breast cancer surgery: An exact-matching study on the long-term oncological safety. European Journal of Surgical Oncology, 2019, 45, 1827-1834.	1.0	28
20	Multiple epitope presentation and surface density control enabled by chemoselective immobilization lead to enhanced performance in IgE-binding fingerprinting on peptide microarrays. Analytica Chimica Acta, 2017, 983, 189-197.	5.4	27
21	Polymer Nanopillarâ€"Gold Arrays as Surface-Enhanced Raman Spectroscopy Substrate for the Simultaneous Detection of Multiple Genes. ACS Nano, 2014, 8, 10496-10506.	14.6	25
22	One-step synthesis of star-like gold nanoparticles for surface enhanced Raman spectroscopy. Materials Chemistry and Physics, 2014, 143, 1215-1221.	4.0	24
23	A self-assembling peptide hydrogel for ultrarapid 3D bioassays. Nanoscale Advances, 2019, 1, 490-497.	4.6	19
24	Raman Analysis Reveals Biochemical Differences in Plasma of Crohnâ€™s Disease Patients. Journal of Crohn's and Colitis, 2020, 14, 1572-1580.	1.3	16
25	Control of size and aspect ratio in hydroquinone-based synthesis of gold nanorods. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	12
26	Co-administration of H-ferritin-doxorubicin and Trastuzumab in neoadjuvant setting improves efficacy and prevents cardiotoxicity in HER2â€‰+â€‰murine breast cancer model. Scientific Reports, 2020, 10, 11425.	3.3	12
27	Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. APL Photonics, 2022, 7, .	5.7	12
28	Lipaseâ€Catalyzed Regioselective Oneâ€Step Synthesis of Pentaâ€<i>O</i>â€acetylâ€3â€hydroxylactal. European Journal of Organic Chemistry, 2009, 2009, 3327-3329.	2.4	10
29	Vibrational imaging for label-free cancer diagnosis and classification. Rivista Del Nuovo Cimento, 2022, 45, 107-187.	5.7	10
30	Involved margins after lumpectomy for breast cancer: Always to be re-excised?. Surgical Oncology, 2019, 30, 141-146.	1.6	8
31	Composite Peptideâ€"Agarose Hydrogels for Robust and High-Sensitivity 3D Immunoassays. ACS Applied Materials & Interfaces, 2022, 14, 4811-4822.	8.0	8
32	Immobilization of Î³â€Glutamyl Transpeptidase from Equine Kidney for the Synthesis of kokumi Compounds. ChemCatChem, 2020, 12, 210-218.	3.7	6
33	Surface Enhanced Raman Spectroscopy-Based Method for Leukemia Biomarker Detection Using Magnetic Core @ Gold Shell Nanoparticles. BioNanoScience, 2014, 4, 119-127.	3.5	5
34	Laser writing of nanostructured silicon arrays for the SERS detection of biomolecules with inhibited oxidation. Colloids and Surfaces B: Biointerfaces, 2019, 174, 174-180.	5.0	4
35	Evidence that the Human Innate Immune Peptide LL-37 May Be a Binding Partner of Abeta and Inhibitor of Fibril Assembly. Biophysical Journal, 2018, 114, 393a.	0.5	2
36	Raman spectroscopy for the assessment of acute myeloid leukemia: a proof of concept study. Proceedings of SPIE, 2014, , .	0.8	1

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37	Plasmonic crystal based solid substrate for biomedical application of SERS. Proceedings of SPIE, 2014, , .	0.8	1
38	Automatic and Unsupervised Identification of Specific Biochemical Features from Raman Mapping Data. , 2019, , .		1
39	Star-like gold nanoparticles as highly active substrate for surface enhanced Raman spectroscopy. , 2013, , .		0
40	Bifunctional nanoparticles for surface-enhanced Raman spectroscopy-based leukemia biomarker detection. Proceedings of SPIE, 2014, , .	0.8	0
41	Simultaneous detection of multiple biomarkers by means of SERS on polymer nanopillar gold arrays. , 2016, , .		0