

Renzo Vanna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/583302/publications.pdf>

Version: 2024-02-01

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	Vibrational imaging for label-free cancer diagnosis and classification. <i>Rivista Del Nuovo Cimento</i> , 2022, 45, 107-187.	5.7	10
2	Composite Peptide-agarose Hydrogels for Robust and High-Sensitivity 3D Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4811-4822.	8.0	8
3	Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. <i>APL Photonics</i> , 2022, 7, .	5.7	12
4	A Bioorthogonal Probe for Multiscale Imaging by ¹⁹ F-MRI and Raman Microscopy: From Whole Body to Single Cells. <i>Journal of the American Chemical Society</i> , 2021, 143, 12253-12260.	13.7	29
5	Immobilization of ¹³ C-glutamyl Transpeptidase from Equine Kidney for the Synthesis of kokumi Compounds. <i>ChemCatChem</i> , 2020, 12, 210-218.	3.7	6
6	Co-administration of H-ferritin-doxorubicin and Trastuzumab in neoadjuvant setting improves efficacy and prevents cardiotoxicity in HER2+ murine breast cancer model. <i>Scientific Reports</i> , 2020, 10, 3.3 11425.	3.3	12
7	Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 15745-15756.	6.5	46
8	Chemical Perturbation of Oncogenic Protein Folding: from the Prediction of Locally Unstable Structures to the Design of Disruptors of Hsp90-client Interactions. <i>Chemistry - A European Journal</i> , 2020, 26, 9459-9465.	3.3	39
9	Raman spectroscopy reveals biochemical differences in plasma derived extracellular vesicles from sporadic Amyotrophic Lateral Sclerosis patients. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102249.	3.3	36
10	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	6.5	50
11	Raman Analysis Reveals Biochemical Differences in Plasma of Crohn's Disease Patients. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1572-1580.	1.3	16
12	Raman Spectroscopy Reveals That Biochemical Composition of Breast Microcalcifications Correlates with Histopathologic Features. <i>Cancer Research</i> , 2020, 80, 1762-1772.	0.9	37
13	Involved margins after lumpectomy for breast cancer: Always to be re-excised?. <i>Surgical Oncology</i> , 2019, 30, 141-146.	1.6	8
14	A self-assembling peptide hydrogel for ultrarapid 3D bioassays. <i>Nanoscale Advances</i> , 2019, 1, 490-497.	4.6	19
15	Autologous fat transfer after breast cancer surgery: An exact-matching study on the long-term oncological safety. <i>European Journal of Surgical Oncology</i> , 2019, 45, 1827-1834.	1.0	28
16	Nano-Strategies to Target Breast Cancer-Associated Fibroblasts: Rearranging the Tumor Microenvironment to Achieve Antitumor Efficacy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1263.	4.1	71
17	Automatic and Unsupervised Identification of Specific Biochemical Features from Raman Mapping Data. , 2019, , .		1
18	A simple and universal enzyme-free approach for the detection of multiple microRNAs using a single nanostructured enhancer of surface plasmon resonance imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1873-1885.	3.7	36

#	ARTICLE	IF	CITATIONS
19	Laser writing of nanostructured silicon arrays for the SERS detection of biomolecules with inhibited oxidation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 174-180.	5.0	4
20	Evidence that the Human Innate Immune Peptide LL-37 May Be a Binding Partner of Abeta and Inhibitor of Fibril Assembly. <i>Biophysical Journal</i> , 2018, 114, 393a.	0.5	2
21	Detection and Characterization of Different Brain-Derived Subpopulations of Plasma Exosomes by Surface Plasmon Resonance Imaging. <i>Analytical Chemistry</i> , 2018, 90, 8873-8880.	6.5	92
22	Neuromelanin organelles are specialized autolysosomes that accumulate undegraded proteins and lipids in aging human brain and are likely involved in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2018, 4, 17.	5.3	101
23	Multiple epitope presentation and surface density control enabled by chemoselective immobilization lead to enhanced performance in IgE-binding fingerprinting on peptide microarrays. <i>Analytica Chimica Acta</i> , 2017, 983, 189-197.	5.4	27
24	H-Ferritin Enriches the Curcumin Uptake and Improves the Therapeutic Efficacy in Triple Negative Breast Cancer Cells. <i>Biomacromolecules</i> , 2017, 18, 3318-3330.	5.4	69
25	Raman spectroscopy uncovers biochemical tissue-related features of extracellular vesicles from mesenchymal stromal cells. <i>Scientific Reports</i> , 2017, 7, 9820.	3.3	77
26	Evidence that the Human Innate Immune Peptide LL-37 may be a Binding Partner of Amyloid- β^2 and Inhibitor of Fibril Assembly. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1213-1226.	2.6	44
27	Simultaneous detection of multiple biomarkers by means of SERS on polymer nanopillar gold arrays. , 2016, , .		0
28	Branched gold nanoparticles on ZnO 3D architecture as biomedical SERS sensors. <i>RSC Advances</i> , 2015, 5, 93644-93651.	3.6	30
29	Control of size and aspect ratio in hydroquinone-based synthesis of gold nanorods. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	12
30	Label-free imaging and identification of typical cells of acute myeloid leukaemia and myelodysplastic syndrome by Raman microspectroscopy. <i>Analyst</i> , The, 2015, 140, 1054-1064.	3.5	49
31	Raman spectroscopy for the assessment of acute myeloid leukemia: a proof of concept study. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
32	Plasmonic crystal based solid substrate for biomedical application of SERS. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
33	Bifunctional nanoparticles for surface-enhanced Raman spectroscopy-based leukemia biomarker detection. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
34	One-step synthesis of star-like gold nanoparticles for surface enhanced Raman spectroscopy. <i>Materials Chemistry and Physics</i> , 2014, 143, 1215-1221.	4.0	24
35	Polymer Nanopillar's Gold Arrays as Surface-Enhanced Raman Spectroscopy Substrate for the Simultaneous Detection of Multiple Genes. <i>ACS Nano</i> , 2014, 8, 10496-10506.	14.6	25
36	Antiproliferative Effect of ASC-J9 Delivered by PLGA Nanoparticles against Estrogen-Dependent Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2014, 11, 2864-2875.	4.6	33

#	ARTICLE	IF	CITATIONS
37	Surface Enhanced Raman Spectroscopy-Based Method for Leukemia Biomarker Detection Using Magnetic Core @ Gold Shell Nanoparticles. <i>BioNanoScience</i> , 2014, 4, 119-127.	3.5	5
38	Immobilised gold nanostars in a paper-based test system for surface-enhanced Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2013, 68, 45-50.	2.2	32
39	Star-like gold nanoparticles as highly active substrate for surface enhanced Raman spectroscopy. , 2013, , .		0
40	Neuromelanins of Human Brain Have Soluble and Insoluble Components with Dolichols Attached to the Melanic Structure. <i>PLoS ONE</i> , 2012, 7, e48490.	2.5	65
41	Lipaseâ€Catalyzed Regioselective Oneâ€Step Synthesis of Pentaâ€O</i></i>â€Acetylâ€â€Hydroxylactal. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3327-3329.	2.4	10