

Valerio Voliani

List of Publications by Citations

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59
papers

1,192
citations

23
h-index

33
g-index

68
ext. papers

1,512
ext. citations

5.9
avg, IF

5.16
L-index

#	Paper	IF	Citations
59	Cis-trans photoisomerization of fluorescent-protein chromophores. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10714-22	3.4	103
58	Ultrasmall-in-Nano Approach: Enabling the Translation of Metal Nanomaterials to Clinics. <i>Bioconjugate Chemistry</i> , 2018 , 29, 4-16	6.3	81
57	DDEL-12. NANOPARTICLE DELIVERY OF DOXORUBICIN FOR THE TREATMENT OF DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). <i>Neuro-Oncology</i> , 2020 , 22, iii286-iii286	1	78
56	Biodegradable hollow silica nanospheres containing gold nanoparticle arrays. <i>Chemical Communications</i> , 2015 , 51, 9939-41	5.8	50
55	Rational Design of a Transferrin-Binding Peptide Sequence Tailored to Targeted Nanoparticle Internalization. <i>Bioconjugate Chemistry</i> , 2017 , 28, 471-480	6.3	48
54	Cancer phototherapy in living cells by multiphoton release of doxorubicin from gold nanospheres. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4225-4230	7.3	43
53	Multiphoton molecular photorelease in click-chemistry-functionalized gold nanoparticles. <i>Small</i> , 2011 , 7, 3271-5	11	41
52	Photothermal effect by NIR-responsive excretable ultras-small-in-nano architectures. <i>Materials Horizons</i> , 2019 , 6, 531-537	14.4	38
51	Antimicrobial Nano-Agents: The Copper Age. <i>ACS Nano</i> , 2021 , 15, 6008-6029	16.7	37
50	Raman study of chromophore states in photochromic fluorescent proteins. <i>Journal of the American Chemical Society</i> , 2009 , 131, 96-103	16.4	36
49	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4554-4563	7.3	35
48	Biodegradable Passion Fruit-Like Nano-Architectures as Carriers for Cisplatin Prodrug. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 818-824	3.1	34
47	Bringing Again Noble Metal Nanoparticles to the Forefront of Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018 , 6, 143	5.8	33
46	Biodistribution and biocompatibility of passion fruit-like nano-architectures in zebrafish. <i>Nanotoxicology</i> , 2018 , 12, 914-922	5.3	30
45	Magnetic catechin-dextran conjugate as targeted therapeutic for pancreatic tumour cells. <i>Journal of Drug Targeting</i> , 2014 , 22, 408-15	5.4	30
44	Dual photoacoustic/ultrasound multi-parametric imaging from passion fruit-like nano-architectures. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1787-1795	6	29
43	Biosafety and Biokinetics of Noble Metals: The Impact of Their Chemical Nature.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4464-4470	4.1	28

42	Scalable synthesis of WS 2 on graphene and h-BN: an all-2D platform for light-matter transduction. <i>2D Materials</i> , 2016 , 3, 031013	5.9	28
41	Passion fruit-like nano-architectures: a general synthesis route. <i>Scientific Reports</i> , 2017 , 7, 43795	4.9	27
40	Orthogonal functionalisation of upconverting NaYF ₄ nanocrystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 13538-46	4.8	26
39	Biodegradable Ultrasmall-in-Nano Gold Architectures: Mid-Period In Vivo Distribution and Excretion Assessment. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800464	3.1	26
38	Enhanced Photoacoustic Signal of Passion Fruit-Like Nanoarchitectures in a Biological Environment. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6955-6961	3.8	25
37	Single-step bifunctional coating for selectively conjugable nanoparticles. <i>Nanoscale</i> , 2010 , 2, 2783-9	7.7	25
36	Peptide-Based Stealth Nanoparticles for Targeted and pH-Triggered Delivery. <i>Bioconjugate Chemistry</i> , 2017 , 28, 627-635	6.3	23
35	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. <i>Recent Patents on Nanomedicine</i> , 2012 , 2, 34-44		23
34	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. <i>ACS Omega</i> , 2018 , 3, 11796-11801	3.9	23
33	Peptidic coating for gold nanospheres multifunctionalizable with photostable and photolabile moieties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14487		21
32	Cis-trans photoisomerization properties of GFP chromophore analogs. <i>European Biophysics Journal</i> , 2011 , 40, 1205-14	1.9	21
31	Three-dimensional tumor models: Promoting breakthroughs in nanotheranostics translational research. <i>Applied Materials Today</i> , 2020 , 19, 100552	6.6	18
30	Naked Nanoparticles in Silica Nanocapsules: A Versatile Family of Nanorattle Catalysts. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1836-1840	5.6	17
29	Combined chemo-photothermal treatment of three-dimensional head and neck squamous cell carcinomas by gold nano-architectures. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 1003-1011	9.3	15
28	Biokinetics and clearance of inhaled gold ultrasmall-in-nano architectures. <i>Nanoscale Advances</i> , 2020 , 2, 3815-3820	5.1	12
27	Non-linear optical response by functionalized gold nanospheres: identifying design principles to maximize the molecular photo-release. <i>Nanoscale</i> , 2015 , 7, 13345-57	7.7	10
26	Endogenously-Activated Ultrasmall-in-Nano Therapeutics: Assessment on 3D Head and Neck Squamous Cell Carcinomas. <i>Cancers</i> , 2020 , 12,	6.6	10
25	Tumor grafted - chick chorioallantoic membrane as an alternative model for biological cancer research and conventional/nanomaterial-based theranostics evaluation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021 , 17, 947-968	5.5	9

24	Texture and Phase Recognition Analysis of BaYF_4 Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11404-11408	3.8	7
23	Production of 3D Tumor Models of Head and Neck Squamous Cell Carcinomas for Nanotheranostics Assessment. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4862-4869	5.5	6
22	A Cost-Effective Approach for Non-Persistent Gold Nano-Architectures Production. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
21	Nanomaterials		5
20	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. <i>Recent Patents on Nanomedicine</i> , 2012 , 2, 34-44		5
19	Ruthenium arene complexes in the treatment of 3D models of head and neck squamous cell carcinomas. <i>European Journal of Medicinal Chemistry</i> , 2021 , 212, 113143	6.8	5
18	Silica-Based Nanoparticles for Protein Encapsulation and Delivery. <i>Nanomaterials</i> , 2018 , 8,	5.4	5
17	Tubeless biochip for chemical stimulation of cells in closed-bioreactors: anti-cancer activity of the catechin β extran conjugate. <i>RSC Advances</i> , 2014 , 4, 35017-35026	3.7	3
16	Increasing the metal loading in passion fruit-like nano-architectures. <i>Advanced Materials Letters</i> , 2017 , 8, 1156-1160	2.4	3
15	Total- and semi-bare noble metal nanoparticles@silica core@shell catalysts for hydrogen generation by formic acid decomposition. <i>Emergent Materials</i> , 2021 , 4, 483-491	3.5	3
14	Drug Delivery: Multiphoton Molecular Photorelease in Click-Chemistry-Functionalized Gold Nanoparticles (Small 23/2011). <i>Small</i> , 2011 , 7, 3270-3270	11	2
13	Doxorubicin-Loaded Gold Nanoarchitectures as a Therapeutic Strategy against Diffuse Intrinsic Pontine Glioma. <i>Cancers</i> , 2021 , 13,	6.6	2
12	A Standard Protocol for the Production and Bioevaluation of Ethical Models of HPV-Negative Head and Neck Squamous Cell Carcinoma. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1227-1234	5.9	2
11	A Flexible, Transparent Chemosensor Integrating an Inkjet-Printed Organic Field-Effect Transistor and a Non-Covalently Functionalized Graphene Electrode. <i>Advanced Materials Technologies</i> , 2100481	6.8	2
10	Chorioallantoic membrane tumor models highlight the effects of cisplatin compounds in oral carcinoma treatment.. <i>IScience</i> , 2022 , 25, 103980	6.1	1
9	2 Behaviors of gold nanoparticles 2020 , 33-68		
8	Synergistic photo-release of drugs by non-linear excitation. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1688, 18		
7	Biodegradable nano-architectures containing gold nanoparticles arrays. <i>MRS Advances</i> , 2016 , 1, 2173-2179		

6 Promising Applications in Medicine **2018**, 79-135

5 Interactions of Nanomaterials with Biological Systems **2018**, 137-199

4 Nanomaterials in the Market or in the Way of **2018**, 201-215

3 Avoiding the Persistence of Metal Nanomaterials **2018**, 217-239

2 Nanomaterials **2018**, 5-78

1 Titania-decorated hybrid nano-architectures and their preliminary assessment in catalytic applications. *Nano Structures Nano Objects*, **2021**, 28, 100788

5.6