Valerio Voliani

List of Publications by Year in Descending Order

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	Chorioallantoic membrane tumor models highlight the effects of cisplatin compounds in oral carcinoma treatment.. *IScience*, **2022**, 25, 103980	6.1	1
58	Doxorubicin-Loaded Gold Nanoarchitectures as a Therapeutic Strategy against Diffuse Intrinsic Pontine Glioma. *Cancers*, **2021**, 13,	6.6	2
57	A Standard Protocol for the Production and Bioevaluation of Ethical Models of HPV-Negative Head and Neck Squamous Cell Carcinoma. *ACS Pharmacology and Translational Science*, **2021**, 4, 1227-1234	5.9	2
56	Antimicrobial Nano-Agents: The Copper Age. *ACS Nano*, **2021**, 15, 6008-6029	16.7	37
55	Combined chemo-photothermal treatment of three-dimensional head and neck squamous cell carcinomas by gold nano-architectures. *Journal of Colloid and Interface Science*, **2021**, 582, 1003-1011	9.3	15
54	Total- and semi-bare noble metal nanoparticles@silica core@shell catalysts for hydrogen generation by formic acid decomposition. *Emergent Materials*, **2021**, 4, 483-491	3.5	3
53	Tumor grafted - chick chorioallantoic membrane as an alternative model for biological cancer research and conventional/nanomaterial-based theranostics evaluation. *Expert Opinion on Drug Metabolism and Toxicology*, **2021**, 17, 947-968	5.5	9
52	Ruthenium arene complexes in the treatment of 3D models of head and neck squamous cell carcinomas. *European Journal of Medicinal Chemistry*, **2021**, 212, 113143	6.8	5
51	Titania-decorated hybrid nano-architectures and their preliminary assessment in catalytic applications. *Nano Structures Nano Objects*, **2021**, 28, 100788	5.6	
50	2 Behaviors of gold nanoparticles **2020**, 33-68		
49	Production of 3D Tumor Models of Head and Neck Squamous Cell Carcinomas for Nanotheranostics Assessment. *ACS Biomaterials Science and Engineering*, **2020**, 6, 4862-4869	5.5	6
48	Endogenously-Activated Ultrasmall-in-Nano Therapeutics: Assessment on 3D Head and Neck Squamous Cell Carcinomas. *Cancers*, **2020**, 12,	6.6	10
47	DDEL-12. NANOPARTICLE DELIVERY OF DOXORUBICIN FOR THE TREATMENT OF DIFFUSE INTRINSIC PONTINE GLIOMA (DIPG). *Neuro-Oncology*, **2020**, 22, iii286-iii286	1	78
46	Three-dimensional tumor models: Promoting breakthroughs in nanotheranostics translational research. *Applied Materials Today*, **2020**, 19, 100552	6.6	18
45	Biokinetics and clearance of inhaled gold ultrasmall-in-nano architectures. *Nanoscale Advances*, **2020**, 2, 3815-3820	5.1	12
44	A Cost-Effective Approach for Non-Persistent Gold Nano-Architectures Production. *Nanomaterials*, **2020**, 10,	5.4	6
43	Biosafety and Biokinetics of Noble Metals: The Impact of Their Chemical Nature.. *ACS Applied Bio Materials*, **2019**, 2, 4464-4470	4.1	28

42	Photothermal effect by NIR-responsive excretable ultrasmall-in-nano architectures. *Materials Horizons*, **2019**, 6, 531-537	14.4	38
41	Biodegradable Ultrasmall-in-Nano Gold Architectures: Mid-Period In Vivo Distribution and Excretion Assessment. *Particle and Particle Systems Characterization*, **2019**, 36, 1800464	3.1	26
40	Naked Nanoparticles in Silica Nanocapsules: A Versatile Family of Nanorattle Catalysts. *ACS Applied Nano Materials*, **2018**, 1, 1836-1840	5.6	17
39	Biodistribution and biocompatibility of passion fruit-like nano-architectures in zebrafish. *Nanotoxicology*, **2018**, 12, 914-922	5.3	30
38	Ultrasmall-in-Nano Approach: Enabling the Translation of Metal Nanomaterials to Clinics. *Bioconjugate Chemistry*, **2018**, 29, 4-16	6.3	81
37	Silica-Based Nanoparticles for Protein Encapsulation and Delivery. *Nanomaterials*, **2018**, 8,	5.4	5
36	Bringing Again Noble Metal Nanoparticles to the Forefront of Cancer Therapy. *Frontiers in Bioengineering and Biotechnology*, **2018**, 6, 143	5.8	33
35	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. *ACS Omega*, **2018**, 3, 11796-11801	3.9	23
34	Dual photoacoustic/ultrasound multi-parametric imaging from passion fruit-like nano-architectures. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 1787-1795	6	29
33	Promising Applications in Medicine **2018**, 79-135		
32	Interactions of Nanomaterials with Biological Systems **2018**, 137-199		
31	Nanomaterials in the Market or in the Way of **2018**, 201-215		
30	Avoiding the Persistence of Metal Nanomaterials **2018**, 217-239		
29	Nanomaterials **2018**, 5-78		
28	Peptide-Based Stealth Nanoparticles for Targeted and pH-Triggered Delivery. *Bioconjugate Chemistry*, **2017**, 28, 627-635	6.3	23
27	Enhanced Photoacoustic Signal of Passion Fruit-Like Nanoarchitectures in a Biological Environment. *Journal of Physical Chemistry C*, **2017**, 121, 6955-6961	3.8	25
26	Rational Design of a Transferrin-Binding Peptide Sequence Tailored to Targeted Nanoparticle Internalization. *Bioconjugate Chemistry*, **2017**, 28, 471-480	6.3	48
25	Passion fruit-like nano-architectures: a general synthesis route. *Scientific Reports*, **2017**, 7, 43795	4.9	27

24	Increasing the metal loading in passion fruit-like nano-architectures. *Advanced Materials Letters*, **2017**, 8, 1156-1160	2.4	3
23	Biodegradable Passion Fruit-Like Nano-Architectures as Carriers for Cisplatin Prodrug. *Particle and Particle Systems Characterization*, **2016**, 33, 818-824	3.1	34
22	Scalable synthesis of WS 2 on graphene and h-BN: an all-2D platform for light-matter transduction. *2D Materials*, **2016**, 3, 031013	5.9	28
21	Biodegradable nano-architectures containing gold nanoparticles arrays. *MRS Advances*, **2016**, 1, 2173-2179	69	
20	Non-linear optical response by functionalized gold nanospheres: identifying design principles to maximize the molecular photo-release. *Nanoscale*, **2015**, 7, 13345-57	7.7	10
19	Biodegradable hollow silica nanospheres containing gold nanoparticle arrays. *Chemical Communications*, **2015**, 51, 9939-41	5.8	50
18	Magnetic catechin-dextran conjugate as targeted therapeutic for pancreatic tumour cells. *Journal of Drug Targeting*, **2014**, 22, 408-15	5.4	30
17	Tubeless biochip for chemical stimulation of cells in closed-bioreactors: anti-cancer activity of the catechin□dextran conjugate. *RSC Advances*, **2014**, 4, 35017-35026	3.7	3
16	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. *Journal of Materials Chemistry B*, **2014**, 2, 4554-4563	7.3	35
15	Texture and Phase Recognition Analysis of □NaYF4 Nanocrystals. *Journal of Physical Chemistry C*, **2014**, 118, 11404-11408	3.8	7
14	Synergistic photo-release of drugs by non-linear excitation. *Materials Research Society Symposia Proceedings*, **2014**, 1688, 18		
13	Cancer phototherapy in living cells by multiphoton release of doxorubicin from gold nanospheres. *Journal of Materials Chemistry B*, **2013**, 1, 4225-4230	7.3	43
12	Orthogonal functionalisation of upconverting NaYF4 nanocrystals. *Chemistry - A European Journal*, **2013**, 19, 13538-46	4.8	26
11	Peptidic coating for gold nanospheres multifunctionalizable with photostable and photolabile moieties. *Journal of Materials Chemistry*, **2012**, 22, 14487		21
10	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. *Recent Patents on Nanomedicine*, **2012**, 2, 34-44		23
9	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. *Recent Patents on Nanomedicine*, **2012**, 2, 34-44		5
8	Cis-trans photoisomerization properties of GFP chromophore analogs. *European Biophysics Journal*, **2011**, 40, 1205-14	1.9	21
7	Multiphoton molecular photorelease in click-chemistry-functionalized gold nanoparticles. *Small*, **2011**, 7, 3271-5	11	41

6	Drug Delivery: Multiphoton Molecular Photorelease in Click-Chemistry-Functionalized Gold Nanoparticles (Small 23/2011). *Small*, **2011**, 7, 3270-3270	11	2
5	Single-step bifunctional coating for selectively conjugable nanoparticles. *Nanoscale*, **2010**, 2, 2783-9	7.7	25
4	Raman study of chromophore states in photochromic fluorescent proteins. *Journal of the American Chemical Society*, **2009**, 131, 96-103	16.4	36
3	Cis-trans photoisomerization of fluorescent-protein chromophores. *Journal of Physical Chemistry B*, **2008**, 112, 10714-22	3.4	103
2	Nanomaterials		5
1	A Flexible, Transparent Chemosensor Integrating an Inkjet-Printed Organic Field-Effect Transistor and a Non-Covalently Functionalized Graphene Electrode. *Advanced Materials Technologies*,2100481	6.8	2