Enrico Rampazzo

List of Publications by Year
in descending order

84 papers	3,194 citations	147726 31 h-index	155592 55 g-index
91 all docs	91 docs citations	91 times ranked	3703 citing authors

#	Article	IF	Citations
1	Fluorogenic hyaluronan nanogels for detection of micro- and nanoplastics in water. Environmental Science: Nano, 2022, 9, 582-588.	2.2	6
2	Preparation of Non-Toxic Fluorescent Peptide-Coated Silica/PEG Nanoparticles from Peptide-Block Copolymer Conjugates. Micro, 2022, 2, 240-256.	0.9	2
3	Interaction between Engineered Pluronic Silica Nanoparticles and Bacterial Biofilms: Elucidating the Role of Nanoparticle Surface Chemistry and EPS Matrix. ACS Applied Materials & Interfaces, 2022, 14, 34502-34512.	4.0	7
4	Coreâ€“Shell Pluronic-Organosilica Nanoparticles with Controlled Polarity and Oxygen Permeability. Langmuir, 2021, 37, 4802-4809.	1.6	1
5	A Selective Ratiometric Fluorescent Probe for No-Wash Detection of PVC Microplastic. Polymers, 2021, 13, 1588.	2.0	8
6	Two Dimensional-Difference in Gel Electrophoresis (2D-DIGE) Proteomic Approach for the Identification of Biomarkers in Endometrial Cancer Serum. Cancers, 2021, 13, 3639.	1.7	13
7	Photoluminescenceâ€Based Techniques for the Detection of Microâ€•and Nanoplastics. Chemistry - A European Journal, 2021, 27, 17529-17541.	1.7	14
8	Static quenching upon adduct formation: a treatment without shortcuts and approximations. Chemical Society Reviews, 2021, 50, 8414-8427.	18.7	54
9	Small extracellular vesicles from malignant ascites of patients with advanced ovarian cancer provide insights into the dynamics of the extracellular matrix. Molecular Oncology, 2021, 15, 3596-3614.	2.1	12
10	Frontispiece: Photoluminescenceâ€Based Techniques for the Detection of Microâ€•and Nanoplastics. Chemistry - A European Journal, 2021, 27, .	1.7	0
11	Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie - International Edition, 2020, 59, 21858-21863.	7.2	78
12	Frontispiece: Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
13	Frontispiz: Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie, 2020, 132, .	1.6	0
14	Dyeâ€Doped Silica Nanoparticles for Enhanced ECLâ€Based Immunoassay Analytical Performance. Angewandte Chemie, 2020, 132, 22042-22047.	1.6	15
15	Tandem Dye-Doped Nanoparticles for NIR Imaging via Cerenkov Resonance Energy Transfer. Frontiers in Chemistry, 2020, 8, 71.	1.8	13
16	Nanotechnology-Based Cisplatin Intracellular Delivery to Enhance Chemo-Sensitivity of Ovarian Cancer . International Journal of Nanomedicine, 2020, Volume 15, 4793-4810.	3.3	18
17	Integrin-Targeting Dye-Doped PEG-Shell/Silica-Core Nanoparticles Mimicking the Proapoptotic Smac/DIABLO Protein. Nanomaterials, 2020, 10, 1211.	1.9	4
18	Specific, Surface-Driven, and High-Affinity Interactions of Fluorescent Hyaluronan with PEGylated Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 6806-6813.	4.0	5

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19	PluS Nanoparticles Loaded with Sorafenib: Synthetic Approach and Their Effects on Endothelial Cells. ACS Omega, 2019, 4, 13962-13971.	1.6	5
20	Effect of Surface Chemistry on Incorporation of Nanoparticles within Calcite Single Crystals. Crystal Growth and Design, 2019, 19, 4429-4435.	1.4	14
21	Targeting CD34+ cells of the inflamed synovial endothelium by guided nanoparticles for the treatment of rheumatoid arthritis. Journal of Autoimmunity, 2019, 103, 102288.	3.0	33
22	Optimized synthesis of luminescent silica nanoparticles by a direct micelle-assisted method. Photochemical and Photobiological Sciences, 2019, 18, 2142-2149.	1.6	7
23	Neutral Dye-Doped Silica Nanoparticles for Electrogenerated Chemiluminescence Signal Amplification. Journal of Physical Chemistry C, 2019, 123, 5686-5691.	1.5	18
24	Bright Phosphorescence of All-Organic Chromophores Confined within Water-Soluble Silica Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 29884-29890.	1.5	16
25	Electrogenerated chemiluminescence from metal complexes-based nanoparticles for highly sensitive sensors applications. Coordination Chemistry Reviews, 2018, 367, 65-81.	9.5	110
26	NIR-fluorescent dye doped silica nanoparticles for<i>in vivo</i>imaging, sensing and theranostic. Methods and Applications in Fluorescence, 2018, 6, 022002.	1.1	36
27	Mapping heterogeneous polarity in multicompartment nanoparticles. Scientific Reports, 2018, 8, 17095.	1.6	7
28	Engineered Nanostructured Materials for Ofloxacin Delivery. Frontiers in Chemistry, 2018, 6, 554.	1.8	12
29	Dualâ€Mode, Anisotropyâ€Encoded, Ratiometric Fluorescent Nanosensors: Towards Multiplexed Detection. Chemistry - A European Journal, 2018, 24, 16743-16746.	1.7	8
30	Electrochemically Driven Luminescence in Organometallic and Inorganic Systems. , 2017, , 293-326.		6
31	Iridium(III)â€Doped Coreâ€Shell Silica Nanoparticles: Nearâ€IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1690-1696.	1.7	14
32	Iridiumâ€‰(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. ChemElectroChem, 2017, 4, 1570-1570.	1.7	0
33	Collective Properties Extend Resistance to Photobleaching of Highly Doped PluS NPs. European Journal of Inorganic Chemistry, 2017, 2017, 5094-5097.	1.0	5
34	Multimodal near-infrared-emitting PluS Silica nanoparticles with fluorescent, photoacoustic, and photothermal capabilities. International Journal of Nanomedicine, 2016, Volume 11, 4865-4874.	3.3	23
35	3 Synthesis of Upconverting Nanomaterials: Designing the Composition and Nanostructure. Nanomaterials and Their Applications, 2016, , 37-68.	0.0	3
36	Luminescent Chemosensors: From Molecules to Nanostructures. Lecture Notes in Quantum Chemistry II, 2016, , 479-497.	0.3	2

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37	Variable Doping Induces Mechanism Swapping in Electrogenerated Chemiluminescence of Ru(bpy)₃²⁺ Coreâ€“Shell Silica Nanoparticles. Journal of the American Chemical Society, 2016, 138, 15935-15942.	6.6	98
38	Luminescent Silica Nanoparticles Featuring Collective Processes for Optical Imaging. Topics in Current Chemistry, 2016, 370, 1-28.	4.0	2
39	Reversal of the glycolytic phenotype of primary effusion lymphoma cells by combined targeting of cellular metabolism and PI3K/Akt/ mTOR signaling. Oncotarget, 2016, 7, 5521-5537.	0.8	30
40	Targeted tumor imaging of anti-CD20-polymeric nanoparticles developed for the diagnosis of B-cell malignancies. International Journal of Nanomedicine, 2015, 10, 4099.	3.3	26
41	Applications of nanoparticles in cancer medicine and beyond: optical and multimodalin vivoimaging, tissue targeting and drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 1837-1849.	2.4	44
42	pH-responsive hostâ€“guest polymerization and blending. RSC Advances, 2015, 5, 11334-11342.	1.7	6
43	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. Faraday Discussions, 2015, 185, 299-309.	1.6	45
44	Numerical Simulation of Doped Silica Nanoparticle Electrochemiluminescence. Journal of Physical Chemistry C, 2015, 119, 26111-26118.	1.5	39
45	PluS Nanoparticles as a tool to control the metal complex stoichiometry of a new thio-aza macrocyclic chemosensor for Ag(I) and Hg(II) in water. Sensors and Actuators B: Chemical, 2015, 207, 1035-1044.	4.0	27
46	A fluorescent ratiometric nanosized system for the determination of PdII in water. Chemical Communications, 2014, 50, 15259-15262.	2.2	27
47	Multiple dye-doped NIR-emitting silica nanoparticles for both flow cytometry and in vivo imaging. RSC Advances, 2014, 4, 18278-18285.	1.7	18
48	Gold nanoparticles stabilized using a fluorescent propargylic ester terminal alkyne at room temperature. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	2
49	Energy transfer processes in dye-doped nanostructures yield cooperative and versatile fluorescent probes. Nanoscale, 2014, 6, 3022-3036.	2.8	80
50	Polymer Blending through Hostâ€“Guest Interactions. Macromolecules, 2014, 47, 632-638.	2.2	28
51	Pluronic-Silica (PluS) Nanoparticles Doped with Multiple Dyes Featuring Complete Energy Transfer. Journal of Physical Chemistry C, 2014, 118, 9261-9267.	1.5	37
52	Monofunctional Stealth Nanoparticle for Unbiased Single Molecule Tracking Inside Living Cells. Nano Letters, 2014, 14, 2189-2195.	4.5	18
53	Proper design of silica nanoparticles combines high brightness, lack of cytotoxicity and efficient cell endocytosis. Nanoscale, 2013, 5, 7897.	2.8	47
54	Electrostatically driven interaction of silica-supported lipid bilayer nanoplatforms and a nerve growth factor-mimicking peptide. Soft Matter, 2013, 9, 4648.	1.2	15

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55	Prevention of Selfâ€Quenching in Fluorescent Silica Nanoparticles by Efficient Energy Transfer. Angewandte Chemie - International Edition, 2013, 52, 5965-5968.	7.2	80
56	Understanding the photophysical properties of coumarin-based Pluronicâ€“silica (PluS) nanoparticles by means of time-resolved emission spectroscopy and accurate TDDFT/stochastic calculations. Physical Chemistry Chemical Physics, 2013, 15, 12360.	1.3	31
57	Surface Chemistry Architecture of Silica Nanoparticles Determine the Efficiency ofin VivoFluorescence Lymph Node Mapping. ACS Nano, 2013, 7, 8645-8657.	7.3	58
58	Luminescent chemosensors based on silicananoparticles for the detection of ionic species. New Journal of Chemistry, 2013, 37, 28-34.	1.4	41
59	A versatile strategy for tuning the color of electrochemiluminescence using silica nanoparticles. Chemical Communications, 2012, 48, 4187.	2.2	54
60	Nanoparticles in metal complexes-based electrogenerated chemiluminescence for highly sensitive applications. Coordination Chemistry Reviews, 2012, 256, 1664-1681.	9.5	82
61	Targeted dual-color silica nanoparticles provide univocal identification of micrometastases in preclinical models of colorectal cancer. International Journal of Nanomedicine, 2012, 7, 4797.	3.3	31
62	Multicolor core/shell silicananoparticles for in vivo and ex vivo imaging. Nanoscale, 2012, 4, 824-830.	2.8	55
63	Reversible photoswitching of dye-doped coreâ€“shell nanoparticles. Chemical Communications, 2011, 47, 10975.	2.2	28
64	Guest-controlled aggregation of cavitand gold nanoparticles and N-methyl pyridinium-terminated PEG. Chemical Communications, 2011, 47, 6596.	2.2	10
65	Luminescent Silica Nanoparticles: Extending the Frontiers of Brightness. Angewandte Chemie - International Edition, 2011, 50, 4056-4066.	7.2	241
66	A Versatile Strategy for Signal Amplification Based on Core/Shell Silica Nanoparticles. Chemistry - A European Journal, 2011, 17, 13429-13432.	1.7	42
67	Luminescent Chemosensors Based on Silica Nanoparticles. Topics in Current Chemistry, 2010, 300, 93-138.	4.0	50
68	Energy Transfer in Silica Nanoparticles: An Essential Tool for the Amplification of the Fluorescence Signal. Reviews in Fluorescence, 2010, , 119-137.	0.5	7
69	Interplay Between Cyclization and Polymerization in Ditopic Cavitand Monomers. Australian Journal of Chemistry, 2010, 63, 646.	0.5	3
70	Energy Transfer from Silica Coreâ^'Surfactant Shell Nanoparticles to Hosted Molecular Fluorophores. Journal of Physical Chemistry B, 2010, 114, 14605-14613.	1.2	82
71	Facile tuning from blue to white emission in silica nanoparticles doped with oligothiophene fluorophores. Journal of Materials Chemistry, 2010, 20, 9903.	6.7	21
72	Ru(bpy)₃ Covalently Doped Silica Nanoparticles as Multicenter Tunable Structures for Electrochemiluminescence Amplification. Journal of the American Chemical Society, 2009, 131, 2260-2267.	6.6	155

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73	Iridium Doped Silicaâˆ'PEG Nanoparticles: Enabling Electrochemiluminescence of Neutral Complexes in Aqueous Media. Journal of the American Chemical Society, 2009, 131, 14208-14209.	6.6	130
74	Synthesis and Electrochemiluminescence of a Ru(bpy)₃-Labeled Coupling Adduct Produced on a Self-Assembled Monolayer. Journal of Physical Chemistry C, 2008, 112, 2949-2957.	1.5	22
75	Amplified Fluorescence Response of Chemosensors Grafted onto Silica Nanoparticles. Langmuir, 2008, 24, 8387-8392.	1.6	58
76	Silica Nanoparticles for Fluorescence Sensing of ZnII: Exploring the Covalent Strategy. Chemistry - A European Journal, 2007, 13, 2238-2245.	1.7	101
77	Template assisted self-organized chemosensors. Inorganica Chimica Acta, 2007, 360, 721-727.	1.2	28
78	Self-Organizing Coreâˆ'Shell Nanostructures:â€‰ Spontaneous Accumulation of Dye in the Core of Doped Silica Nanoparticles. Journal of the American Chemical Society, 2007, 129, 14251-14256.	6.6	106
79	Size Effect on the Fluorescence Properties of Dansyl-Doped Silica Nanoparticles. Langmuir, 2006, 22, 5877-5881.	1.6	72
80	Fluorescent silica nanoparticles. , 2006, , .		1
81	Self-Assembled Fluorescent Chemosensors. Chemistry - A European Journal, 2006, 12, 1844-1854.	1.7	128
82	Surface modification of silica nanoparticles: a new strategy for the realization of self-organized fluorescence chemosensors. Journal of Materials Chemistry, 2005, 15, 2687.	6.7	113
83	Turning Fluorescent Dyes into Cu(II) Nanosensors. Langmuir, 2005, 21, 9314-9321.	1.6	58
84	A fluorescence nanosensor for Cu2+ on silica particlesElectronic supplementary information (ESI) available: experimental procedure; TEM images; NMR, UV-vis and fluorescence spectra; fluoresence titration. See http://www.rsc.org/suppdata/cc/b3/b310582b/. Chemical Communications, 2003, , 3026.	2.2	113