

Francesco Zerbetto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

398
papers

17,452
citations

60
h-index

116
g-index

421
ext. papers

18,363
ext. citations

7.2
avg, IF

6.57
L-index

#	Paper	IF	Citations
398	Fullerenes against COVID-19: Repurposing C and C to Clog the Active Site of SARS-CoV-2 Protease.. <i>Molecules</i> , 2022 , 27,	4.8	3
397	Dissecting the Supramolecular Dispersion of Fullerenes by Proteins/Peptides: Amino Acid Ranking and Driving Forces for Binding to C. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
396	Green Fabrication of (6,5)Carbon Nanotube/Protein Transistor Endowed with Specific Recognition. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001114	6.4	2
395	A Bio-Conjugated Fullerene as a Subcellular-Targeted and Multifaceted Phototheranostic Agent. <i>Advanced Functional Materials</i> , 2021 , 31, 2101527	15.6	10
394	Single-molecule mechanics of synthetic aromatic amide helices: Ultrafast and robust non-dissipative winding. <i>Chem</i> , 2021 , 7, 1333-1346	16.2	2
393	Incorporation of Molecular Nanoparticles Inside Proteins: The Trojan Horse Approach in Theranostics. <i>Accounts of Materials Research</i> , 2021 , 2, 594-605	7.5	10
392	Human Serum Albumin-Oligothiophene Bioconjugate: A Phototheranostic Platform for Localized Killing of Cancer Cells by Precise Light Activation. <i>Jacs Au</i> , 2021 , 1, 925-935		9
391	Viscoelasticity and Noise Properties Reveal the Formation of Biomemory in Cells. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 10883-10892	3.4	1
390	Complex Nanoparticle Diffusional Motion in Liquid-Cell Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14881-14890	3.8	8
389	Inhibition of α -chymotrypsin by pristine single-wall carbon nanotubes: Clogging up the active site. <i>Journal of Colloid and Interface Science</i> , 2020 , 571, 174-184	9.3	10
388	Electron Dynamics with Explicit-Time Density Functional Theory of the [4+2] Diels-Alder Reaction. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 2172-2180	6.4	3
387	Retinoic acid/calcite micro-carriers inserted in fibrin scaffolds modulate neuronal cell differentiation. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5808-5813	7.3	8
386	Identification and preparation of stable water dispersions of protein - Carbon nanotube hybrids and efficient design of new functional materials. <i>Carbon</i> , 2019 , 147, 70-82	10.4	20
385	CNT-Catalyzed Oxidative Dehydrogenation of Ethylbenzene to Styrene: DFT Calculations Disclose the Pathways. <i>ChemNanoMat</i> , 2019 , 5, 499-505	3.5	2
384	White and Colored Noises as Driving Forces of Electron Transfer: The Photolyase Repair Mechanism as a Test Case. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4511-4516	6.4	2
383	Oriented External Electric Fields Affect Rate and Stereoselectivity of Electrocyclic Reactions. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26370-26378	3.8	10
382	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , 2019 , 11, 19301-19314	17.7	12

381	Controlling Size-Dispersion of Single Walled Carbon Nanotubes by Interaction with Polyoxometalates Armed with a Tryptophan Tweezer. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 374-379	2.3	4
380	Dynamic Self-Organization and Catalysis: Periodic versus Random Driving Forces. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 825-835	3.8	2
379	Stable and Biocompatible Monodispersion of C in Water by Peptides. <i>Bioconjugate Chemistry</i> , 2019 , 30, 808-814	6.3	13
378	Functionalization Pattern of Graphene Oxide Sheets Controls Entry or Produces Lipid Turmoil in Phospholipid Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15487-15493	9.5	7
377	Structural determinants in the bulk heterojunction. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5708-5720	3.2	3
376	Delivery systems for agriculture: Fe-EDDHA/CaCO hybrid crystals as adjuvants for prevention of iron chlorosis. <i>Chemical Communications</i> , 2018 , 54, 1635-1638	5.8	6
375	Proteins as supramolecular hosts for C: a true solution of C in water. <i>Nanoscale</i> , 2018 , 10, 9908-9916	7.7	25
374	Interaction of Single Cells with 2D Organic Monolayers: A Scanning Electrochemical Microscopy Study. <i>ChemElectroChem</i> , 2018 , 5, 2975-2981	4.3	9
373	Temperature and Conductivity as Indicators of the Morphology and Activity of a Submarine Volcano: Avyssos (Nisyros) in the South Aegean Sea, Greece. <i>Geosciences (Switzerland)</i> , 2018 , 8, 193	2.7	6
372	C Bioconjugation with Proteins: Towards a Palette of Carriers for All pH Ranges. <i>Materials</i> , 2018 , 11,	3.5	16
371	Graphene Materials Strengthen Aqueous Polyurethane Adhesives. <i>ACS Omega</i> , 2018 , 3, 8829-8835	3.9	10
370	Multifractal structure of microscopic eyeBead coordination. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 512, 945-953	3.3	2
369	Graphene Oxide Promotes Site-Selective Allylic Alkylation of Thiophenes with Alcohols. <i>Organic Letters</i> , 2018 , 20, 3705-3709	6.2	19
368	Impact of the green tea ingredient epigallocatechin gallate and a short pentapeptide (Ile-Ile-Ala-Glu-Lys) on the structural organization of mixed micelles and the related uptake of cholesterol. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1956-1963	4	2
367	Tackling the Challenges of Dynamic Experiments Using Liquid-Cell Transmission Electron Microscopy. <i>Accounts of Chemical Research</i> , 2018 , 51, 3-11	24.3	53
366	New insights into the composition of Indian yellow and its use in a Rajasthani wall painting. <i>Microchemical Journal</i> , 2018 , 137, 238-249	4.8	14
365	Interactions between Endohedral Metallofullerenes and Proteins: The Gd@C-Lysozyme Model. <i>ACS Omega</i> , 2018 , 3, 13782-13789	3.9	9
364	Breathing modes of Kolumbo submarine volcano (Santorini, Greece). <i>Scientific Reports</i> , 2017 , 7, 46515	4.9	7

363	Optical and theoretical investigation of Indian yellow (euxanthic acid and euxanthone). <i>Dyes and Pigments</i> , 2017 , 144, 234-241	4.6	3
362	Modeling Living Cells Response to Surface Tension and Chemical Patterns. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19552-19561	9.5	10
361	Engineering the Fullerene-protein Interface by Computational Design: The Sum is More than its Parts. <i>Israel Journal of Chemistry</i> , 2017 , 57, 547-552	3.4	14
360	Analysis of the vibronic structure of the trans-stilbene fluorescence and excitation spectra: the S and S PES along the C[double bond, length as m-dash]C and C-C torsions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25095-25104	3.6	5
359	Directly Observing Micelle Fusion and Growth in Solution by Liquid-Cell Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17140-17151	16.4	81
358	Aromatic Bromination of N-Phenylacetamide Inside CNTs. Are CNTs Real Nanoreactors Controlling Regioselectivity and Kinetics? A QM/MM Investigation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27674-27682 ¹¹	3.8	11
357	Biorecognition in Organic Field Effect Transistors Biosensors: The Role of the Density of States of the Organic Semiconductor. <i>Analytical Chemistry</i> , 2016 , 88, 12330-12338	7.8	45
356	CNT-Confinement Effects on the Menshutkin SN2 Reaction: The Role of Nonbonded Interactions. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 4082-92	6.4	15
355	Time Fractional Diffusion Equations and Analytical Solvable Models. <i>Journal of Physics: Conference Series</i> , 2016 , 738, 012106	0.3	1
354	Electric Field Promotes Pentacene Dimerization in Thin Film Transistors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13942-13947	3.8	2
353	"Active" drops as phantom models for living cells: a mesoscopic particle-based approach. <i>Soft Matter</i> , 2016 , 12, 3538-44	3.6	3
352	Bioinspired Nanocomposites: Ordered 2D Materials Within a 3D Lattice. <i>Advanced Functional Materials</i> , 2016 , 26, 5569-5575	15.6	18
351	Time-dependent quantum simulation of coronene photoemission spectra. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13604-15	3.6	4
350	In situ nanomechanical characterization of the early stages of swelling and degradation of a biodegradable polymer. <i>Nanoscale</i> , 2015 , 7, 5403-10	7.7	13
349	Changes of the Molecular Structure in Organic Thin Film Transistors during Operation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15912-15918	3.8	10
348	Blocking the passage: C60 geometrically clogs K(+) channels. <i>ACS Nano</i> , 2015 , 9, 4827-34	16.7	32
347	Fast photodynamics of azobenzene probed by scanning excited-state potential energy surfaces using slow spectroscopy. <i>Nature Communications</i> , 2015 , 6, 5860	17.4	69
346	Crossover of two power laws in the anomalous diffusion of a two lipid membrane. <i>Journal of Chemical Physics</i> , 2015 , 142, 215102	3.9	21

345	Thermodynamics of Binding Between Proteins and Carbon Nanoparticles: The Case of C60@Lysozyme. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28077-28082	3.8	32
344	Graphite Oxide and Aromatic Amines: Size Matters. <i>Advanced Functional Materials</i> , 2015 , 25, 263-269	15.6	35
343	Stochastic analysis of movements on surfaces: The case of C60 on Au(111). <i>Chemical Physics Letters</i> , 2015 , 633, 163-168	2.5	8
342	Are two-station biased random walkers always potential molecular motors?. <i>ChemPhysChem</i> , 2015 , 16, 104-7	3.2	1
341	Conformation diversity of a fused-ring pyrazine derivative on au(111) and highly ordered pyrolytic graphite. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1311-7	4.5	6
340	Calcite Single Crystals as Hosts for Atomic-Scale Entrapment and Slow Release of Drugs. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1510-6	10.1	25
339	Modeling Nanotube Caps: The Relationship Between Fullerenes and Caps. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 12839-44	2.8	6
338	Graphene can wreak havoc with cell membranes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4406-14.5	14.5	115
337	Electrochemical fabrication of surface chemical gradients in thiol self-assembled monolayers with tailored work-functions. <i>Langmuir</i> , 2014 , 30, 11591-8	4	13
336	Atomistic molecular dynamics simulations reveal insights into adsorption, packing, and fluxes of molecules with carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12123-12135	13	31
335	Explaining fullerene dispersion by using micellar solutions. <i>ChemPhysChem</i> , 2014 , 15, 2998-3005	3.2	18
334	Redox active Double Wall Carbon Nanotubes show intrinsic anti-proliferative effects and modulate autophagy in cancer cells. <i>Carbon</i> , 2014 , 78, 589-600	10.4	4
333	Molecules on Gold Surfaces: What They Do and How They Go Around to Do It 2014 , 55-78		
332	C60@Lysozyme: direct observation by nuclear magnetic resonance of a 1:1 fullerene protein adduct. <i>ACS Nano</i> , 2014 , 8, 1871-7	16.7	61
331	Hybrid foldamers with 1,2,3-triazole rings: order versus disorder. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5958-69	4.2	13
330	Playing peekaboo with graphene oxide: a scanning electrochemical microscopy investigation. <i>Chemical Communications</i> , 2014 , 50, 13117-20	5.8	26
329	Cl ⁻ Exchange SN2 Reaction inside Carbon Nanotubes: C ₆₀ and Cl ⁻ Interactions Govern the Course of the Reaction. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5032-5040	3.8	26
328	Customizing properties of Chitin in squid pen (gladius) by chemical treatments. <i>Marine Drugs</i> , 2014 , 12, 5979-92	6	25

327	Operations and thermodynamics of an artificial rotary molecular motor in solution. <i>ChemPhysChem</i> , 2014 , 15, 1834-40	3.2	3
326	Imaging, photophysical properties and DFT calculations of manganese blue (barium manganate(VI) sulphate)—a modern pigment. <i>Chemical Communications</i> , 2014 , 50, 15297-300	5.8	10
325	Solvating Insoluble Carbon Nanostructures by Molecular Dynamics 2013 , 311-330		
324	A strongly emitting liquid-crystalline derivative of Y(3)N@C(80): bright and long-lived near-IR luminescence from a charge transfer state. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12303-7	16.4	19
323	Morphological and mechanical characterization of composite calcite/SWCNT-COOH single crystals. <i>Nanoscale</i> , 2013 , 5, 6944-9	7.7	17
322	An experimentally observed trimetallofullerene Sm ₃ @I(h)-C80: encapsulation of three metal atoms in a cage without a nonmetallic mediator. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4187-90	16.4	54
321	Rolling up a graphene sheet. <i>ChemPhysChem</i> , 2013 , 14, 3447-53	3.2	38
320	And Yet it Moves! Microfluidics Without Channels and Troughs. <i>Advanced Functional Materials</i> , 2013 , 23, 5543-5549	15.6	20
319	The devil and holy water: protein and carbon nanotube hybrids. <i>Accounts of Chemical Research</i> , 2013 , 46, 2454-63	24.3	120
318	Reverse engineering of monolayers and nanopatterns. <i>Advanced Materials</i> , 2013 , 25, 449-55	24	7
317	A Strongly Emitting Liquid-Crystalline Derivative of Y ₃ N@C ₈₀ : Bright and Long-Lived Near-IR Luminescence from a Charge Transfer State. <i>Angewandte Chemie</i> , 2013 , 125, 12529-12533	3.6	5
316	Common force field thermodynamics of cholesterol. <i>Scientific World Journal, The</i> , 2013 , 2013, 207287	2.2	1
315	Temperature-dependent fluorescence of Cu ₅ metal clusters: a molecular thermometer. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9662-5	16.4	76
314	Role of substrate in directing the self-assembly of multicomponent supramolecular networks at the liquid-solid interface. <i>ACS Nano</i> , 2012 , 6, 8381-9	16.7	69
313	Engineering molecular chains in carbon nanotubes. <i>Nanoscale</i> , 2012 , 4, 7540-8	7.7	3
312	Local ice melting by an antifreeze protein. <i>Biomacromolecules</i> , 2012 , 13, 2046-52	6.9	16
311	GPU-accelerated computation of electron transfer. <i>Journal of Computational Chemistry</i> , 2012 , 33, 2351-6	6.5	6
310	Amyloid-Fibril disruption by C60-molecular guidance for rational drug design. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8599-607	3.6	47

309	Excitation Energy Transfer and Low-Efficiency Photolytic Splitting of Water Ice by Vacuum UV Light. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3610-5	6.4	11
308	Structural features of aquaporin 4 supporting the formation of arrays and junctions in biomembranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2234-43	3.8	6
307	Thermal collapse of snowflake fractals. <i>Chemical Physics Letters</i> , 2012 , 543, 82-85	2.5	1
306	Shape Governs the Motion of Chemically Propelled Janus Swimmers. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 592-598	3.8	41
305	Stability, dynamics, and lubrication of MoS ₂ platelets and nanotubes. <i>Langmuir</i> , 2012 , 28, 7393-400	4	71
304	A simple road for the transformation of few-layer graphene into MWNTs. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13310-5	16.4	53
303	Selective Enhancement of Photoluminescence in Filled Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2012 , 22, 3202-3208	15.6	35
302	Probing the structure of lysozyme-carbon-nanotube hybrids with molecular dynamics. <i>Chemistry - A European Journal</i> , 2012 , 18, 4308-13	4.8	76
301	Conformational selection and folding-upon-binding of intrinsically disordered protein CP12 regulate photosynthetic enzymes assembly. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21372-83	5.4	48
300	Fullerene sorting proteins. <i>Nanoscale</i> , 2011 , 3, 2873-81	7.7	39
299	A computational analysis of the insertion of carbon nanotubes into cellular membranes. <i>Biomaterials</i> , 2011 , 32, 7079-85	15.6	48
298	Dynamics of a lipid bilayer induced by electric fields. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9216-23	3.8	6
297	A molecular dynamics investigation of structure and dynamics of SDS and SDBS micelles. <i>Soft Matter</i> , 2011 , 7, 9148	3.6	83
296	Fullerenol entrapment in calcite microspheres. <i>Chemical Communications</i> , 2011 , 47, 10662-4	5.8	9
295	Polymorphism and isomerisation of an azobenzene derivative on gold. <i>Chemical Communications</i> , 2011 , 47, 8662-3	5.8	3
294	The effect of temperature on the internal dynamics of dansylated POPAM dendrimers. <i>RSC Advances</i> , 2011 , 1, 1778	3.7	8
293	Laws of thermal diffusion of individual molecules on the gold surface. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13690-7	3.6	5
292	In silico carborane docking to proteins and potential drug targets. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 1882-96	6.1	33

291	Fast Calculation of Electrostatic Potentials on the GPU or the ASIC MD-GRAPE-3. <i>Computer Journal</i> , 2011 , 54, 1181-1187	1.3	9
290	Nanopatterning of carbonaceous structures by field-induced carbon dioxide splitting with a force microscope. <i>Applied Physics Letters</i> , 2010 , 96, 143110	3.4	40
289	Baiting proteins with C60. <i>ACS Nano</i> , 2010 , 4, 2283-99	16.7	94
288	Electric Field Effects on Short Fibrils of A β Amyloid Peptides. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 3516-26	6.4	29
287	Quantum study of laser-induced initial activation of graphite-to-diamond conversion. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12166-7	16.4	9
286	Electronic structure of carbon nanotubes with ultrahigh curvature. <i>ACS Nano</i> , 2010 , 4, 4515-22	16.7	49
285	Splitting CO ₂ with Electric Fields: A Computational Investigation. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3256-3260	6.4	27
284	Internal dynamics and energy transfer in dansylated POPAM dendrimers and their eosin complexes. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1548-58	3.4	14
283	What is adenine doing in photolyase?. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4101-6	3.4	37
282	Molecules on gold. <i>Chemical Communications</i> , 2010 , 46, 667-76	5.8	26
281	A RNA-based nanodevice recording temperature over time. <i>Chemical Physics</i> , 2010 , 369, 91-95	2.3	3
280	Dual-Gate Organic Field-Effect Transistors as Potentiometric Sensors in Aqueous Solution. <i>Advanced Functional Materials</i> , 2010 , 20, 898-905	15.6	122
279	Controlled Hydrogen-Bond Breaking in a Rotaxane by Discrete Solvation. <i>Angewandte Chemie</i> , 2010 , 122, 3988-3992	3.6	4
278	Controlled hydrogen-bond breaking in a rotaxane by discrete solvation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3896-900	16.4	30
277	Electronic structure and radial breathing mode for carbon nanotubes with ultra-high curvature. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2774-2778	1.3	5
276	Hydroxyl vacancies in single-walled aluminosilicate and aluminogermanate nanotubes. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 195301	1.8	16
275	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. <i>Nanotechnology</i> , 2009 , 20, 275602	3.4	72
274	A carbon nano-onion-ferrocene donor-acceptor system: synthesis, characterization and properties. <i>Chemistry - A European Journal</i> , 2009 , 15, 4419-27	4.8	48

273	Quantitative analysis of charge-carrier trapping in organic thin-film transistors from transfer characteristics. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 55-60	2.6	14
272	FT-Raman characterization of the antipodal bis-adduct of C60 and anthracene. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2794-2797	1.3	5
271	Wrapping nanotubes with micelles, hemimicelles, and cylindrical micelles. <i>Small</i> , 2009 , 5, 2191-8	11	75
270	Introducing temperature dependence in an enhanced Poisson-Boltzmann approach. <i>Chemical Physics Letters</i> , 2009 , 480, 313-317	2.5	7
269	Intermolecular repulsion through interfacial attraction: toward engineering of polymorphs. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15655-9	16.4	29
268	Multistate photo-induced relaxation and photoisomerization ability of fumaramide threads: a computational and experimental study. <i>Journal of the American Chemical Society</i> , 2009 , 131, 104-17	16.4	24
267	Water-induced polaron formation at the pentacene surface: Quantum mechanical molecular mechanics simulations. <i>Physical Review B</i> , 2009 , 79,	3.3	42
266	Effects of electric field stress on a beta-amyloid peptide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 369-74	3.6	68
265	Branched Substituents Generate Improved Supramolecular Ordering in Physisorbed Molecular Assemblies. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4955-4959	3.8	10
264	Growth of p- and n-dopable films from electrochemically generated C60 cations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3788-96	16.4	32
263	The erratic emission of pyrene on gold nanoparticles. <i>ACS Nano</i> , 2008 , 2, 77-84	16.7	55
262	Molecular mechanism of water bridge buildup: field-induced formation of nanoscale menisci. <i>Langmuir</i> , 2008 , 24, 6116-20	4	71
261	Singling out the electrochemistry of individual single-walled carbon nanotubes in solution. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7393-9	16.4	93
260	Driving Force for the Adsorption of Sexithiophene on Gold. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19516-19520	3.8	10
259	Atomistic Simulation of Drop-on-Demand Inkjet Dynamics. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10616-10621	3.8	4
258	On-the-fly, electric-field-driven, coupled electron-nuclear dynamics. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 9650-6	2.8	35
257	Polyarene-functionalized fullerenes in carbon nanotubes: towards controlled geometry of molecular chains. <i>Small</i> , 2008 , 4, 2262-70	11	19
256	Interactions of aromatic heterocycles with water: the driving force from free-jet rotational spectroscopy and model electrostatic calculations. <i>ChemPhysChem</i> , 2008 , 9, 1303-8	3.2	9

255	Shaping of a conformationally flexible molecular structure for spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3174-9	16.4	29
254	Cadiot-Chodkiewicz active template synthesis of rotaxanes and switchable molecular shuttles with weak intercomponent interactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4392-6	16.4	92
253	Shaping of a Conformationally Flexible Molecular Structure for Spectroscopy. <i>Angewandte Chemie</i> , 2008 , 120, 3218-3223	3.6	4
252	Cadiot-Chodkiewicz Active Template Synthesis of Rotaxanes and Switchable Molecular Shuttles with Weak Intercomponent Interactions. <i>Angewandte Chemie</i> , 2008 , 120, 4464-4468	3.6	24
251	Double-wall carbon nanotubes: The outer shell may pattern the structure of the inner one. <i>Chemical Physics Letters</i> , 2008 , 463, 139-140	2.5	11
250	Role of the intracellular cavity in potassium channel conductivity. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13993-4000	3.4	12
249	Adsorption of Organic Molecules on Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13879-13885	3.8	22
248	Synthetic molecular motors and mechanical machines. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 72-191	16.4	2241
247	Synthetische molekulare Motoren und mechanische Maschinen. <i>Angewandte Chemie</i> , 2007 , 119, 72-196	3.6	583
246	Molecular dynamics of nanobubbles' collapse in ionic solutions. <i>ChemPhysChem</i> , 2007 , 8, 47-9	3.2	13
245	Charge-metal interaction of a carbon nanotube. <i>ChemPhysChem</i> , 2007 , 8, 1005-8	3.2	8
244	Dynamics of thiolate chains on a gold nanoparticle. <i>Small</i> , 2007 , 3, 386-8	11	41
243	C60 on gold: adsorption, motion, and viscosity. <i>Small</i> , 2007 , 3, 1694-8	11	15
242	An introduction to bubble dynamics. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 2447-56	3.6	36
241	Potential energy surface and kinetics of the helix-coil transition in a 33-peptide. <i>Theoretical Chemistry Accounts</i> , 2007 , 118, 25-34	1.9	3
240	Nonlinear optical properties of C60 with explicit time-dependent electron dynamics. <i>Theoretical Chemistry Accounts</i> , 2007 , 118, 99-106	1.9	9
239	Self-assembly of semifluorinated n-alkanethiols on {111}-oriented Au investigated with scanning tunneling microscopy experiment and theory. <i>Journal of Chemical Physics</i> , 2007 , 127, 024702	3.9	10
238	Extremely strong and readily accessible AAA-DDD triple hydrogen bond complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 476-7	16.4	98

237	Self-organization of nano-lines and dots triggered by a local mechanical stimulus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17650-4	11.5	21
236	Application of the Poisson-Nernst-Planck theory with space-dependent diffusion coefficients to KcsA. <i>Biophysical Journal</i> , 2006 , 91, 3162-9	2.9	31
235	Interactions in single wall carbon nanotubes/pyrene/porphyrin nanohybrids. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11222-31	16.4	300
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