

Francoise Remacle

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269
papers

6,764
citations

42
h-index

70
g-index

291
ext. papers

7,401
ext. citations

4.9
avg, IF

6.05
L-index

#	Paper	IF	Citations
269	DNA computing circuits using libraries of DNAzyme subunits. <i>Nature Nanotechnology</i> , 2010 , 5, 417-22	28.7	369
268	Measurement and laser control of attosecond charge migration in ionized iodoacetylene. <i>Science</i> , 2015 , 350, 790-5	33.3	352
267	Architectonic Quantum Dot Solids. <i>Accounts of Chemical Research</i> , 1999 , 32, 415-423	24.3	324
266	An electronic time scale in chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6793-8	11.5	305
265	Complexes of DNA bases and gold clusters Au ₃ and Au ₄ involving nonconventional N-H...Au hydrogen bonding. <i>Nano Letters</i> , 2005 , 5, 735-9	11.5	117
264	All-DNA finite-state automata with finite memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21996-2001	11.5	112
263	Quantum dots as chemical building blocks: elementary theoretical considerations. <i>ChemPhysChem</i> , 2001 , 2, 20-36	3.2	111
262	Laser steered ultrafast quantum dynamics of electrons in LiH. <i>Physical Review Letters</i> , 2007 , 99, 183902	7.4	110
261	Intermolecular and Intramolecular Logic Gates. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 5589-5591	3.4	108
260	Structure and energetics of two- and three-dimensional neutral, cationic, and anionic gold clusters Au ₅ . <i>Journal of Chemical Physics</i> , 2005 , 122, 44304	3.9	105
259	pH-programmable DNA logic arrays powered by modular DNAzyme libraries. <i>Nano Letters</i> , 2012 , 12, 6049-54	11.5	96
258	Electrochemically driven sequential machines: an implementation of copper rotaxanes. <i>Chemistry - A European Journal</i> , 2009 , 15, 1310-3	4.8	95
257	Complexes of DNA bases and Watson-Crick base pairs with small neutral gold clusters. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22746-57	3.4	91
256	Pump and probe ultrafast electron dynamics in LiH: a computational study. <i>New Journal of Physics</i> , 2008 , 10, 025019	2.9	83
255	The magic gold cluster Au ₂₀ . <i>International Journal of Quantum Chemistry</i> , 2007 , 107, 2922-2934	2.1	80
254	Logic reversibility and thermodynamic irreversibility demonstrated by DNAzyme-based Toffoli and Fredkin logic gates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21228-33	11.5	77
253	Electronic Control of Site Selective Reactivity: A Model Combining Charge Migration and Dissociation. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 10149-10158	2.8	75

252	DNAzyme-based 2:1 and 4:1 multiplexers and 1:2 demultiplexer. <i>Chemical Science</i> , 2014 , 5, 1074	9.4	74
251	A full-adder based on reconfigurable DNA-hairpin inputs and DNAzyme computing modules. <i>Chemical Science</i> , 2014 , 5, 3381	9.4	69
250	Molecule-based photonicly switched half and full adder. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 177-84	2.8	69
249	Three-gold clusters form nonconventional hydrogen bonds O≡Au and N≡Au with formamide and formic acid. <i>Chemical Physics Letters</i> , 2005 , 404, 142-149	2.5	64
248	Trapping in competitive decay of degenerate states. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990 , 145, 265-268	2.3	62
247	Charge directed reactivity:. <i>Chemical Physics Letters</i> , 1998 , 285, 25-33	2.5	60
246	Information-theoretic analysis of phenotype changes in early stages of carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10324-9	11.5	59
245	miRNA and mRNA cancer signatures determined by analysis of expression levels in large cohorts of patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19160-5	11.5	57
244	Hypoxia induces a phase transition within a kinase signaling network in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1352-60	11.5	55
243	Decay of high Rydberg states: A paradigm for intramolecular dynamics in a congested bound level structure coupled to a continuum. <i>Journal of Chemical Physics</i> , 1996 , 104, 1399-1414	3.9	53
242	Charge migration in the bifunctional PENNA cation induced and probed by ultrafast ionization: a dynamical study. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 124011	1.3	51
241	Protein signaling networks from single cell fluctuations and information theory profiling. <i>Biophysical Journal</i> , 2011 , 100, 2378-86	2.9	50
240	Electronic Response of Assemblies of Designer Atoms: The Metal-Insulator Transition and the Role of Disorder. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4084-4091	16.4	50
239	Networks of Quantum Nanodots: The Role of Disorder in Modifying Electronic and Optical Properties. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 7727-7734	3.4	50
238	Localized electron dynamics in attosecond-pulse-excited molecular systems: Probing the time-dependent electron density by sudden photoionization. <i>Physical Review A</i> , 2012 , 86,	2.6	49
237	Electronic wave packet motion in water dimer cation: A many electron description. <i>Chemical Physics</i> , 2009 , 366, 129-138	2.3	47
236	Probing Ultrafast Purely Electronic Charge Migration in Small Peptides. <i>Zeitschrift Fur Physikalische Chemie</i> , 2007 , 221, 647-661	3.1	47
235	Coherent electronic wave packet motion in C(60) controlled by the waveform and polarization of few-cycle laser fields. <i>Physical Review Letters</i> , 2015 , 114, 123004	7.4	46

234	Quantum dot artificial solids: understanding the static and dynamic role of size and packing disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99 Suppl 2, 6456-9	11.5	45
233	Glioblastoma cellular architectures are predicted through the characterization of two-cell interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6521-6	11.5	44
232	Gating the Conductivity of Arrays of Metallic Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13892-13901	3.4	44
231	On the strong and selective isotope effect in the UV excitation of N ₂ with implications toward the nebula and Martian atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6020-5	11.5	43
230	On a fundamental structure of gene networks in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4702-7	11.5	42
229	The transition from localized to collective electronic states in a silver quantum dots monolayer examined by nonlinear optical response. <i>Chemical Physics Letters</i> , 1998 , 291, 453-458	2.5	42
228	Charge migration and control of site selective reactivity: The role of covalent and ionic states. <i>Journal of Chemical Physics</i> , 1999 , 110, 5089-5099	3.9	42
227	The gold-ammonia bonding patterns of neutral and charged complexes Au ^m 0+/-1-(NH ₃) _n . I. Bonding and charge alternation. <i>Journal of Chemical Physics</i> , 2007 , 127, 194305	3.9	40
226	On spectroscopy, control, and molecular information processing. <i>ChemPhysChem</i> , 2002 , 3, 43-51	3.2	40
225	Thermometer ions for matrix-enhanced laser desorption/ionization internal energy calibration. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 1847-54	2.2	40
224	On the feasibility of an ultrafast purely electronic reorganization in lithium hydride. <i>Chemical Physics</i> , 2007 , 338, 342-347	2.3	39
223	All-optical digital logic: Full addition or subtraction on a three-state system. <i>Physical Review A</i> , 2006 , 73,	2.6	39
222	Attosecond pumping of nonstationary electronic states of LiH: Charge shake-up and electron density distortion. <i>Physical Review A</i> , 2011 , 83,	2.6	38
221	Nonconventional hydrogen bonding between clusters of gold and hydrogen fluoride. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 7309-18	2.8	38
220	Electrical transmission of molecular bridges. <i>Chemical Physics Letters</i> , 2004 , 383, 537-543	2.5	38
219	Electrical addressing of confined quantum systems for quasiclassical computation and finite state logic machines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 5653-8	11.5	38
218	Towards a molecular logic machine. <i>Journal of Chemical Physics</i> , 2001 , 114, 10239-10246	3.9	38
217	Ternary DNA computing using 3 B multiplication matrices. <i>Chemical Science</i> , 2015 , 6, 1288-1292	9.4	36

216	Angular-resolved photoelectron spectroscopy of superatom orbitals of fullerenes. <i>Physical Review Letters</i> , 2012 , 108, 173401	7.4	36
215	On Electronic Properties of Assemblies of Quantum Nanodots. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 4739-4747	2.8	36
214	Ligand and solvation effects on the electronic properties of Au ₅₅ clusters: a density functional theory study. <i>Nano Letters</i> , 2009 , 9, 3007-11	11.5	35
213	Ligand and Solvation Effects on the Structural and Electronic Properties of Small Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4362-4376	3.8	33
212	Conductivity of 2-D Ag Quantum Dot Arrays: Computational Study of the Role of Size and Packing Disorder at Low Temperatures. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4116-4126	3.4	33
211	Intercommunication of DNA-Based Constitutional Dynamic Networks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8721-8731	16.4	32
210	Stereocontrol of attosecond time-scale electron dynamics in ABCU using ultrafast laser pulses: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 8331-44	3.6	31
209	Integrated logic circuits using single-atom transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13969-72	11.5	31
208	Vibrational computing: simulation of a full adder by optimal control. <i>Journal of Chemical Physics</i> , 2008 , 128, 064110	3.9	31
207	Architecture with designer atoms: simple theoretical considerations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 553-8	11.5	31
206	Charge Redistribution Effects on the UV-Vis Spectra of Small Ligated Gold Clusters: a Computational Study. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10969-10980	3.8	30
205	Unimolecular Reaction Dynamics from Kinetic Energy Release Distributions. 2. A Study of the Reaction C ₆ H ₅ Br ⁺ -> C ₆ H ₅ ⁺ + Br by the Maximum Entropy Method. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 8003-8007		30
204	Logic implementations using a single nanoparticle-protein hybrid. <i>Nature Nanotechnology</i> , 2010 , 5, 451-457	28.7	29
203	Transcending binary logic by gating three coupled quantum dots. <i>Nano Letters</i> , 2007 , 7, 2795-9	11.5	29
202	Superexchange, Localized, and Domain-Localized Charge States for Intramolecular Electron Transfer in Large Molecules and in Arrays of Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 2153-2162	3.4	29
201	Pump and probe of ultrafast charge reorganization in small peptides: a computational study through sudden ionizations. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 10513-25	2.8	28
200	Bonding patterns of [Ag ₂ -alanine] ₀ hybrid complexes and the implementation of molecular logic gates. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 2237-2246	2.1	28
199	Imaging Transport Disorder in Conducting Arrays of Metallic Quantum Dots: An Experimental and Computational Study. <i>Advanced Materials</i> , 2002 , 14, 124-128	24	28

198	Rotational autoionization and interseries coupling of high Rydberg states by the anisotropy of the molecular core: The quantal long time evolution. <i>Journal of Chemical Physics</i> , 1996 , 105, 4649-4663	3.9	28
197	Experimental and Theoretical Study of the Reactivity of Gold Nanoparticles Towards Benzimidazole-2-ylidene Ligands. <i>Chemistry - A European Journal</i> , 2016 , 22, 10446-58	4.8	27
196	Control of electronic dynamics visualized by angularly resolved photoelectron spectra: A dynamical simulation with an IR pump and XUV attosecond-pulse-train probe. <i>Physical Review A</i> , 2014 , 89,	2.6	26
195	Prompt and delayed ionization of large molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993 , 173, 284-287	2.3	26
194	Consecutive feedback-driven constitutional dynamic networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2843-2848	11.5	25
193	Probing rapidly-ionizing super-atom molecular orbitals in C60: a computational and femtosecond photoelectron spectroscopy study. <i>ChemPhysChem</i> , 2013 , 14, 3332-40	3.2	25
192	The post-Born-Oppenheimer regime: dynamics of electronic motion in molecules by attosecond few-cycle spectroscopy. <i>Physica Scripta</i> , 2009 , 80, 048101	2.6	25
191	A density functional theory calculation of the electronic properties of several high-spin and low-spin iron(II) pyrazolylborate complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 4005-14	5.1	25
190	Logic gates using high Rydberg states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2973-8	11.5	25
189	Unimolecular reaction dynamics from kinetic energy release distributions. III. A comparative study of the halogenobenzene cations. <i>Journal of Chemical Physics</i> , 1999 , 110, 2911-2921	3.9	25
188	Unimolecular Dissociation from a Dense Set of States. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 7962-7971		25
187	Extracting laws of decay in the femto-picosecond range from autocorrelation functions. <i>Journal of Chemical Physics</i> , 1989 , 91, 4155-4168	3.9	25
186	Convergence of logic of cellular regulation in different premalignant cells by an information theoretic approach. <i>BMC Systems Biology</i> , 2011 , 5, 42	3.5	24
185	The time scale for electronic reorganization upon sudden ionization of the water and water-methanol hydrogen bonded dimers and of the weakly bound NO dimer. <i>Journal of Chemical Physics</i> , 2006 , 125, 133321	3.9	24
184	Electrical transport in saturated and conjugated molecular wires. <i>Faraday Discussions</i> , 2006 , 131, 45-67; discussion 91-109	3.6	24
183	Does a dissociating molecule sample the available phase space. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 7124-7127		24
182	Metabolomic analysis of the green microalga <i>Chlamydomonas reinhardtii</i> cultivated under day/night conditions. <i>Journal of Biotechnology</i> , 2015 , 215, 20-6	3.7	23
181	Ternary logic implemented on a single dopant atom field effect silicon transistor. <i>Applied Physics Letters</i> , 2010 , 96, 043107	3.4	22

180	Continuous variables logic coupled automata using a DNAzyme cascade with feedback. <i>Chemical Science</i> , 2017 , 8, 2161-2168	9.4	21
179	Molecular decision trees realized by ultrafast electronic spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17183-8	11.5	21
178	Time domain information from resonant Raman excitation profiles: A direct inversion by maximum entropy. <i>Journal of Chemical Physics</i> , 1993 , 99, 4908-4925	3.9	21
177	Parallel and Multivalued Logic by the Two-Dimensional Photon-Echo Response of a RhodamineDNA Complex. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1714-8	6.4	20
176	Quantum Nuclear Dynamics Pumped and Probed by Ultrafast Polarization Controlled Steering of a Coherent Electronic State in LiH. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3343-52	2.8	20
175	Coherent electronic and nuclear dynamics in a rhodamine heterodimer-DNA supramolecular complex. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23043-23051	3.6	20
174	Quantum Phenomena in Nanomaterials: Coherent Superpositions of Fine Structure States in CdSe Nanocrystals at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 31286-31293	3.8	20
173	Reconfigurable logic devices on a single dopant atom - operation up to a full adder by using electrical spectroscopy. <i>ChemPhysChem</i> , 2009 , 10, 162-73	3.2	19
172	Computational, structural, and mechanistic analysis of the electrochemically driven pirouetting motion of a copper rotaxane. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6219-29	3.4	19
171	All Optical Full Adder Based on Intramolecular Electronic Energy Transfer in the RhodamineAzulene Bichromophoric System. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15880-15885	3.8	19
170	Rydberg states about dipolar cores: The quantum dynamics of the long-range anisotropic interaction. <i>Physical Review A</i> , 1996 , 54, 4789-4801	2.6	19
169	The sequential exploration of phase space in selectively excited polyatomic molecules. <i>Journal of Chemical Physics</i> , 1993 , 98, 2144-2159	3.9	19
168	Fast Energy Transfer in CdSe Quantum Dot Layered Structures: Controlling Coupling with Covalent-Bond Organic Linkers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5753-5758	3.8	18
167	Where Ion Mobility and Molecular Dynamics Meet To Unravel the (Un)Folding Mechanisms of an Oligorotaxane Molecular Switch. <i>ACS Nano</i> , 2017 , 11, 10253-10263	16.7	18
166	Unimolecular reaction dynamics from kinetic energy release distributions. IV. dissociation of the pyridine ion. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 155-163	1.9	18
165	Atomistic account of structural and dynamical changes induced by small binders in the double helix of a short DNA. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14070-82	3.6	17
164	Magnetostructural effects in ligand stabilized Pd ₁₃ clusters: a density functional theory study. <i>Nanoscale</i> , 2012 , 4, 4138-47	7.7	17
163	Spatial and temporal control of populations, branching ratios, and electronic coherences in LiH by a single one-cycle infrared pulse. <i>Physical Review A</i> , 2017 , 95,	2.6	16

162	Tuning the Properties of Pd Nanoclusters by Ligand Coatings: Electronic Structure Computations on Phosphine, Thiol, and Mixed Phosphine-Thiol Ligand Shells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9790-9800	3.8	16
161	Ultrafast predissociation mechanism of the 1Π states of $14N_2$ and its isotopomers upon attosecond excitation from the ground state. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 11311-8	2.8	16
160	Interplay of structural and electronic stabilizing factors in neutral and cationic phosphine protected Au ₁₃ clusters. <i>European Physical Journal D</i> , 2012 , 66, 1	1.3	16
159	Nanowiring by Molecules. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 18129-18134	3.4	16
158	Molecular logic by optical spectroscopy with output transfer by charge migration along a peptide. <i>Chemical Physics</i> , 2002 , 281, 363-372	2.3	16
157	The determination of time cross correlation functions by inversion of Raman excitation profiles. <i>Chemical Physics Letters</i> , 1993 , 205, 267-270	2.5	16
156	Hot electron production and diffuse excited states in C ₇₀ , C ₈₂ , and Sc ₃ N@C ₈₀ characterized by angular-resolved photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2013 , 139, 084309	3.9	15
155	Physical aspects and quantitative theory of time resolved spectroscopy of high molecular Rydberg states. <i>Journal of Chemical Physics</i> , 1997 , 107, 3382-3391	3.9	15
154	Small Gold Clusters Au ₅₅ and Their Cationic and Anionic Cousins. <i>Advances in Quantum Chemistry</i> , 2004 , 47, 423-464	1.4	15
153	Quasiclassical computation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12091-5	11.5	15
152	Configuration Interaction between Covalent and Ionic States in the Quantal and Semiclassical Limits with Application to Coherent and Hopping Charge Migration. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 2341-2350	2.8	15
151	Decay Dynamics of the Predissociating High Rydberg States of NO. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 9507-9517	2.8	15
150	Quantum effects in competitive unimolecular reactions. <i>Chemical Physics</i> , 1991 , 153, 201-217	2.3	15
149	Electronic dynamics by ultrafast pump photoelectron detachment probed by ionization: a dynamical simulation of negative-neutral-positive in LiH(-). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6721-9	2.8	14
148	IR-UV Double-Resonance Photodissociation of Nitric Acid (HONO) Viewed as Molecular Information Processing. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2512-2514	16.4	14
147	Personalized disease signatures through information-theoretic compaction of big cancer data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7694-7699	11.5	14
146	Room-Temperature Inter-Dot Coherent Dynamics in Multilayer Quantum Dot Materials. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16222-16231	3.8	13
145	Transition from SAMO to Rydberg State Ionization in C in Femtosecond Laser Fields. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4677-4682	6.4	13

144	Logic operations in a doped solid driven by stimulated Raman adiabatic passage. <i>Physical Review A</i> , 2011 , 83,	2.6	13
143	Electric Field Effects on Long Living ZEKE States. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 15320-15327		13
142	On the inverse Born-Oppenheimer separation for high Rydberg states of molecules. <i>International Journal of Quantum Chemistry</i> , 1998 , 67, 85-100	2.1	13
141	Thiophenol and thiophenol radical and their complexes with gold clusters Au ₅ and Au ₆ . <i>Journal of Molecular Structure</i> , 2004 , 708, 165-173	3.4	13
140	Ultrafast 25-fs relaxation in highly excited states of methyl azide mediated by strong nonadiabatic coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11072-E11081	11.5	12
139	Controlled full adder or subtractor by vibrational quantum computing. <i>Physical Review A</i> , 2009 , 80,	2.6	12
138	Principles of design of a set-reset finite state logic nanomachine. <i>Journal of Applied Physics</i> , 2008 , 104, 044509	2.5	12
137	Current-Voltage-Temperature characteristics for 2D arrays of metallic quantum dots. <i>Israel Journal of Chemistry</i> , 2002 , 42, 269-280	3.4	12
136	Angle-resolved photoelectron spectroscopy and scanning tunnelling spectroscopy studies of the endohedral fullerene Li@C. <i>Nanoscale</i> , 2019 , 11, 2668-2678	7.7	12
135	Probing in Space and Time the Nuclear Motion Driven by Nonequilibrium Electronic Dynamics in Ultrafast Pumped N ₂ . <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3335-42	2.8	11
134	Metabolic, Physiological, and Transcriptomics Analysis of Batch Cultures of the Green Microalga Grown on Different Acetate Concentrations. <i>Cells</i> , 2019 , 8,	7.9	11
133	Low-lying, Rydberg states of polycyclic aromatic hydrocarbons (PAHs) and cyclic alkanes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24090-24099	3.6	11
132	Relative Photoionization Cross Sections of Super-Atom Molecular Orbitals (SAMOs) in C ₆₀ . <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11504-8	2.8	11
131	Ultrafast vibrational spectroscopy and relaxation in polyatomic molecules: Potential for molecular parallel computing. <i>Chemical Physics</i> , 2008 , 347, 531-545	2.3	11
130	A counter based on the electrical input/output stimuli activation of an array of quantum dots. <i>ChemPhysChem</i> , 2005 , 6, 1239-42	3.2	11
129	On the quantum mechanical theory of unimolecular reactions through a narrow bottleneck: the prompt and delayed dissociation. <i>Molecular Physics</i> , 1996 , 87, 899-917	1.7	11
128	Imaging Orbitals by Ionization or Electron Attachment: The Role of Dyson Orbitals. <i>Advances in Atom and Single Molecule Machines</i> , 2013 , 41-54	0	11
127	Time-dependent view of an isotope effect in electron-nuclear nonequilibrium dynamics with applications to N. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5890-5895	11.5	11

126	Nuclear Motion Driven Ultrafast Photodissociative Charge Transfer of the PENNA Cation: An Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 1442-1447	2.8	10
125	A new electron-ion coincidence 3D momentum-imaging method and its application in probing strong field dynamics of 2-phenylethyl-N, N-dimethylamine. <i>Journal of Chemical Physics</i> , 2017 , 147, 013920	3.9	10
124	Computational Benchmarking for Ultrafast Electron Dynamics: Wave Function Methods vs Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 2221-33	6.4	10
123	Stabilization of merocyanine by protonation, charge, and external electric fields and effects on the isomerization of spiropyran: a computational study. <i>Theoretical Chemistry Accounts</i> , 2012 , 131, 1	1.9	10
122	DFT Studies of Solvation Effects on the Nanosize Bare, Thiolated, and Redox Active Ligated Au55 Cluster. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15941-15950	3.8	10
121	Combined Mössbauer spectral and density functional theory determination of the magnetic easy-axis in two high-spin iron(II) 2-pyrazinecarboxylate complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 8173-9 ^{5.1}	5.1	10
120	Size Effects in the Electronic Properties of Finite Arrays of Exchange-Coupled Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12847-12850	3.4	10
119	Electron-Nuclear Coupling in the Classical Limit for the Electronic Degrees of Freedom. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 2708-2715	2.8	10
118	Prompt and Delayed Dissociation of Energy-Rich Larger Molecules. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 10195-10198	2.8	10
117	The maximum entropy of an optical spectrum and the redistribution in phase space. <i>Chemical Physics Letters</i> , 1991 , 181, 307-311	2.5	10
116	Intracellular redox potential is correlated with miRNA expression in MCF7 cells under hypoxic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19753-19759	11.5	9
115	AttoPhotoChemistry. Probing ultrafast electron dynamics by the induced nuclear motion: The prompt and delayed predissociation of N ₂ . <i>Chemical Physics Letters</i> , 2014 , 601, 45-48	2.5	9
114	Free energy rhythms in <i>Saccharomyces cerevisiae</i> : a dynamic perspective with implications for ribosomal biogenesis. <i>Biochemistry</i> , 2013 , 52, 1641-8	3.2	9
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