

Elena Bichoutskaia

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7138451/elena-bichoutskaia-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

134
papers

3,748
citations

30
h-index

57
g-index

140
ext. papers

4,255
ext. citations

6.8
avg, IF

5.3
L-index

#	Paper	IF	Citations
134	N-doping enabled defect-engineering of MoS ₂ for enhanced and selective adsorption of CO ₂ : A DFT approach. <i>Applied Surface Science</i> , 2021 , 542, 148556	6.7	14
133	The influence of surface charge on the coalescence of ice and dust particles in the mesosphere and lower thermosphere. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8735-8745	6.8	1
132	Fission gas released from molten salt reactor fuel: the case of noble gas short life radioisotopes for radiopharmaceutical application. <i>Medicine in Novel Technology and Devices</i> , 2021 , 10, 100057	2.1	0
131	A high-throughput screening of metal-organic framework based membranes for biogas upgrading. <i>Faraday Discussions</i> , 2021 , 231, 235-257	3.6	2
130	Selective Gas Uptake and Rotational Dynamics in a (3,24)-Connected Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3348-3358	16.4	19
129	The Interaction of Hydrogen with the van der Waals Crystal -InSe. <i>Molecules</i> , 2020 , 25,	4.8	8
128	Self-Assembly Behavior of Oppositely Charged Inverse Bipatchy Microcolloids. <i>Small</i> , 2020 , 16, e20004421	4.1	5
127	Imaging an unsupported metal-metal bond in dirhenium molecules at the atomic scale. <i>Science Advances</i> , 2020 , 6, eaay5849	14.3	15
126	Electrostatic interactions between spheroidal dielectric particles. <i>Journal of Chemical Physics</i> , 2020 , 152, 024121	3.9	6
125	Triplet Excitation and Electroluminescence from a Supramolecular Monolayer Embedded in a Boron Nitride Tunnel Barrier. <i>Nano Letters</i> , 2020 , 20, 278-283	11.5	5
124	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020 , 59, 15646-15658	5.1	6
123	Molecular Quantum Rings Formed from a π -Conjugated Macrocyclic. <i>Physical Review Letters</i> , 2020 , 125, 206803	7.4	7
122	Noncovalent passivation of supported phosphorene for device applications: from morphology to electronic properties. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 12482-12488	3.6	4
121	Bond Dissociation and Reactivity of HF and HO in a Nano Test Tube. <i>ACS Nano</i> , 2020 , 14, 11178-11189	16.7	7
120	Atomic mechanism of metal crystal nucleus formation in a single-walled carbon nanotube. <i>Nature Chemistry</i> , 2020 , 12, 921-928	17.6	25
119	Low dimensional nanostructures of fast ion conducting lithium nitride. <i>Nature Communications</i> , 2020 , 11, 4492	17.4	6
118	Probing Chemical Kinetics in Two Dimensional Materials Using Atomic Resolution Imaging.. <i>Microscopy and Microanalysis</i> , 2020 , 26, 90-90	0.5	

117	Resonant inelastic X-ray scattering of a Ru photosensitizer: Insights from individual ligands to the electronic structure of the complete molecule. <i>Journal of Chemical Physics</i> , 2019 , 151, 074701	3.9	8
116	The effects of encapsulation on damage to molecules by electron radiation. <i>Micron</i> , 2019 , 120, 96-103	2.3	8
115	Steric and Electronic Control of 1,3-Dipolar Cycloaddition Reactions in Carbon Nanotube Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6294-6302	3.8	6
114	Epitaxial multilayers of alkanes on two-dimensional black phosphorus as passivating and electrically insulating nanostructures. <i>Nanoscale</i> , 2019 , 11, 17252-17261	7.7	11
113	Ordering, flexibility and frustration in arrays of porphyrin nanorings. <i>Nature Communications</i> , 2019 , 10, 2932	17.4	10
112	Interaction between particles with inhomogeneous surface charge distributions: Revisiting the Coulomb fission of dication molecular clusters. <i>Journal of Chemical Physics</i> , 2019 , 151, 154113	3.9	1
111	Observing Structural Dynamics and Measuring Chemical Kinetics in Low Dimensional Materials Using High Speed Imaging. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1682-1683	0.5	1
110	Synthesis and characterisation of rylene diimide dimers using molecular handcuffs. <i>Chemical Science</i> , 2019 , 10, 3723-3732	9.4	20
109	Enhancement of CO Uptake and Selectivity in a Metal-Organic Framework by the Incorporation of Thiophene Functionality. <i>Inorganic Chemistry</i> , 2018 , 57, 5074-5082	5.1	26
108	Dynamic simulations of many-body electrostatic self-assembly. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	6
107	Electrostatic Self-Assembly: Understanding the Significance of the Solvent. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 905-915	6.4	17
106	Implanting Germanium into Graphene. <i>ACS Nano</i> , 2018 , 12, 4641-4647	16.7	56
105	Comparison of atomic scale dynamics for the middle and late transition metal nanocatalysts. <i>Nature Communications</i> , 2018 , 9, 3382	17.4	20
104	Substrate-induced shifts and screening in the fluorescence spectra of supramolecular adsorbed organic monolayers. <i>Journal of Chemical Physics</i> , 2018 , 149, 054701	3.9	16
103	An integral equation approach to calculate electrostatic interactions in many-body dielectric systems. <i>Journal of Computational Physics</i> , 2018 , 371, 712-731	4.1	14
102	Electrostatic interactions between charged dielectric particles in an electrolyte solution: constant potential boundary conditions. <i>Soft Matter</i> , 2018 , 14, 5480-5487	3.6	9
101	Adsorption of Hexacontane on Hexagonal Boron Nitride. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27575-27581	3.5	11
100	Atomistic Simulations of the Efficiencies of Ge and Pt Ion Implantation into Graphene. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 25700-25708	3.8	3

99	The growth and fluorescence of phthalocyanine monolayers, thin films and multilayers on hexagonal boron nitride. <i>Chemical Communications</i> , 2018 , 54, 12021-12024	5.8	8
98	Pore-filling contamination in metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 23616-23624	3.6	4
97	The effect of like-charge attraction on aerosol growth in the atmosphere of Titan. <i>Icarus</i> , 2017 , 291, 245-253	3.3	13
96	Stop-Frame Filming and Discovery of Reactions at the Single-Molecule Level by Transmission Electron Microscopy. <i>ACS Nano</i> , 2017 , 11, 2509-2520	16.7	38
95	Tailoring porosity and rotational dynamics in a series of octacarboxylate metal-organic frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3056-3061	11.5	57
94	Coulomb fission in multiply charged molecular clusters: Experiment and theory. <i>Journal of Chemical Physics</i> , 2017 , 146, 164302	3.9	5
93	The right isotherms for the right reasons? Validation of generic force fields for prediction of methane adsorption in metal-organic frameworks. <i>Molecular Simulation</i> , 2017 , 43, 828-837	2	12
92	Supramolecular heterostructures formed by sequential epitaxial deposition of two-dimensional hydrogen-bonded arrays. <i>Nature Chemistry</i> , 2017 , 9, 1191-1197	17.6	62
91	Chemical Reactions of Molecules Promoted and Simultaneously Imaged by the Electron Beam in Transmission Electron Microscopy. <i>Accounts of Chemical Research</i> , 2017 , 50, 1797-1807	24.3	48
90	The influence hydrogen atom addition has on charge switching during motion of the metal atom in endohedral Ca@C60H4 isomers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	1
89	Growth of single-layer boron nitride dome-shaped nanostructures catalysed by iron clusters. <i>Nanoscale</i> , 2016 , 8, 15079-85	7.7	1
88	Observation of Binding and Rotation of Methane and Hydrogen within a Functional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9119-27	16.4	48
87	Imaging of Electron Beam Triggered Phase Transformations and Chemical Reactions of Organic Molecules by Aberration-Corrected Low-Voltage Transmission Electron Microscopy 2016 , 171-172		
86	Stabilising the lowest energy charge-separated state in a {metal chromophore - fullerene} assembly: a tuneable panchromatic absorbing donor-acceptor triad. <i>Chemical Science</i> , 2016 , 7, 5908-5921	7.4	13
85	Mechanisms of monovacancy diffusion in graphene. <i>Chemical Physics Letters</i> , 2016 , 648, 161-165	2.5	15
84	Progress in the theory of electrostatic interactions between charged particles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5883-95	3.6	28
83	Electron beam controlled covalent attachment of small organic molecules to graphene. <i>Nanoscale</i> , 2016 , 8, 2711-9	7.7	24
82	In-situ TEM growth of single-layer boron nitride dome-shaped nanostructures catalysed by iron clusters 2016 , 155-156		

81	Investigation of the Interactions and Bonding between Carbon and Group VIII Metals at the Atomic Scale. <i>Small</i> , 2016 , 12, 1649-57	11	24
80	Computational Evaluation of the Impact of Incorporated Nitrogen and Oxygen Heteroatoms on the Affinity of Polyaromatic Ligands for Carbon Dioxide and Methane in Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27342-27348	3.8	6
79	Electrostatic interactions between charged dielectric particles in an electrolyte solution. <i>Journal of Chemical Physics</i> , 2016 , 145, 084103	3.9	20
78	Reaction kinetics of bond rotations in graphene. <i>Carbon</i> , 2016 , 105, 176-182	10.4	16
77	Effective Binding of Methane Using a Weak Hydrogen Bond. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3701-9	2.8	3
76	Dynamic Behavior of Single Fe Atoms Embedded in Graphene. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21998-22003	3.8	16
75	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14828-14831	16.4	38
74	Direct Measurement of Electron Transfer in Nanoscale Host-Guest Systems: Metallocenes in Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2016 , 22, 13540-9	4.8	16
73	A General Geometric Representation of Sphere-Sphere Interactions. <i>Progress in Theoretical Chemistry and Physics</i> , 2015 , 29-36	0.6	3
72	Energetics of atomic scale structure changes in graphene. <i>Chemical Society Reviews</i> , 2015 , 44, 3143-76	58.5	102
71	Adsorbate-induced curvature and stiffening of graphene. <i>Nano Letters</i> , 2015 , 15, 159-64	11.5	20
70	Switching intermolecular interactions by confinement in carbon nanotubes. <i>Chemical Communications</i> , 2015 , 51, 648-51	5.8	4
69	Isotope substitution extends the lifetime of organic molecules in transmission electron microscopy. <i>Small</i> , 2015 , 11, 622-9	11	33
68	Cyclometallated platinum(II) complexes containing NHC ligands: synthesis, characterization, photophysics and their application as emitters in OLEDs. <i>Dalton Transactions</i> , 2015 , 44, 7152-62	4.3	32
67	Epitaxial Retrieval of a Disappearing Polymorph. <i>Crystal Growth and Design</i> , 2015 , 15, 115-123	3.5	10
66	Transmission Electron Microscopy: Isotope Substitution Extends the Lifetime of Organic Molecules in Transmission Electron Microscopy (Small 5/2015). <i>Small</i> , 2015 , 11, 510-510	11	3
65	A novel bismuth-based metal-organic framework for high volumetric methane and carbon dioxide adsorption. <i>Chemistry - A European Journal</i> , 2014 , 20, 8024-9	4.8	55
64	Formation of nickel-carbon heterofullerenes under electron irradiation. <i>Dalton Transactions</i> , 2014 , 43, 7499-513	4.3	11

63	Polarisation charge switching through the motion of metal atoms trapped in fullerene cages. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23869-73	3.6	9
62	Analysis of high and selective uptake of CO ₂ in an oxamide-containing {Cu ₂ (OOCR) ₄ }-based metal-organic framework. <i>Chemistry - A European Journal</i> , 2014 , 20, 7317-24	4.8	105
61	A robust binary supramolecular organic framework (SOF) with high CO ₂ adsorption and selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12828-31	16.4	220
60	Methane Adsorption in Metal-Organic Frameworks Containing Nanographene Linkers: A Computational Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15573-15580	3.8	16
59	Band gap expansion, shear inversion phase change behaviour and low-voltage induced crystal oscillation in low-dimensional tin selenide crystals. <i>Dalton Transactions</i> , 2014 , 43, 7391-9	4.3	18
58	Electrostatic force between a charged sphere and a planar surface: a general solution for dielectric materials. <i>Journal of Chemical Physics</i> , 2014 , 140, 074107	3.9	30
57	Transition metal complexes of a salen-fullerene diad: redox and catalytically active nanostructures for delivery of metals in nanotubes. <i>Chemistry - A European Journal</i> , 2013 , 19, 11999-2008	4.8	15
56	Approaches to modelling irradiation-induced processes in transmission electron microscopy. <i>Nanoscale</i> , 2013 , 5, 6677-92	7.7	29
55	Modulating the packing of [Cu ₂₄ (isophthalate) ₂₄] cuboctahedra in a triazole-containing metal-organic polyhedral framework. <i>Chemical Science</i> , 2013 , 4, 1731	9.4	117
54	Electron-beam engineering of single-walled carbon nanotubes from bilayer graphene. <i>Carbon</i> , 2013 , 65, 80-86	10.4	21
53	Surface-charge distribution on a dielectric sphere due to an external point charge: examples of C ₆₀ and C ₂₄₀ fullerenes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20115-9	3.6	6
52	Stability and dynamics of vacancy in graphene flakes: Edge effects. <i>Chemical Physics Letters</i> , 2013 , 557, 80-87	2.5	31
51	Inclusion of radiation damage dynamics in high-resolution transmission electron microscopy image simulations: The example of graphene. <i>Physical Review B</i> , 2013 , 87,	3.3	26
50	Meso-scale modelling of shock wave propagation in a SiC/Al nanocomposite reinforced with WS ₂ -inorganic fullerene nanoparticles. <i>Composite Structures</i> , 2013 , 96, 601-605	5.3	7
49	Coulomb fission in dielectric dication clusters: experiment and theory on steps that may underpin the electrospray mechanism. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 3877-86	2.8	11
48	Interactions and reactions of transition metal clusters with the interior of single-walled carbon nanotubes imaged at the atomic scale. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3073-9	16.4	73
47	Reply to the Comment on "Treating highly charged carbon and fullerene clusters as dielectric particles" by H. Zettergren and H. Cederquist, Phys. Chem. Chem. Phys., 2012, 14, DOI: 10.1039/c2cp42883k. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16771	3.6	4
46	Aberration corrected imaging of a carbon nanotube encapsulated Lindqvist Ion and correlation with Density Functional Theory. <i>Journal of Physics: Conference Series</i> , 2012 , 371, 012018	0.3	1

45	Controlling the regioselectivity of the hydrosilylation reaction in carbon nanoreactors. <i>Chemistry - A European Journal</i> , 2012 , 18, 13180-7	4.8	38
44	Size, structure, and helical twist of graphene nanoribbons controlled by confinement in carbon nanotubes. <i>ACS Nano</i> , 2012 , 6, 3943-53	16.7	118
43	Sequential multiscale modelling of SiC/Al nanocomposites reinforced with WS ₂ nanoparticles under static loading. <i>Physical Review B</i> , 2012 , 86,	3.3	4
42	Absolute electrostatic force between two charged particles in a low dielectric solvent. <i>Soft Matter</i> , 2012 , 8, 6210	3.6	11
41	Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. <i>Chemical Science</i> , 2012 , 3, 2993	9.4	104
40	A partially interpenetrated metal-organic framework for selective hysteretic sorption of carbon dioxide. <i>Nature Materials</i> , 2012 , 11, 710-6	27	389
39	High-precision imaging of an encapsulated Lindqvist ion and correlation of its structure and symmetry with quantum chemical calculations. <i>Nanoscale</i> , 2012 , 4, 1190-9	7.7	10
38	Electronic excitation in bulk and nanocrystalline alkali halides. <i>Journal of Chemical Physics</i> , 2012 , 137, 184104	3.9	3
37	Treating highly charged carbon and fullerene clusters as dielectric particles. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18339-46	3.6	16
36	Self-assembly of a sulphur-terminated graphene nanoribbon within a single-walled carbon nanotube. <i>Nature Materials</i> , 2011 , 10, 687-92	27	225
35	Reactions of the inner surface of carbon nanotubes and nanoprotrusion processes imaged at the atomic scale. <i>Nature Chemistry</i> , 2011 , 3, 732-7	17.6	74
34	Why like-charged particles of dielectric materials can be attracted to one another. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 417-20	9.3	30
33	Direct transformation of graphene to fullerene. <i>Nature Chemistry</i> , 2010 , 2, 450-3	17.6	297
32	Electrostatic analysis of the interactions between charged particles of dielectric materials. <i>Journal of Chemical Physics</i> , 2010 , 133, 024105	3.9	77
31	Study of polycyclic aromatic hydrocarbons adsorbed on graphene using density functional theory with empirical dispersion correction. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 6483-91	3.6	72
30	Nanoresonator Based on Relative Vibrations of the Walls of Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010 , 18, 523-530	1.8	8
29	High frequency electromechanical memory cells based on telescoping carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4322-8	1.3	0
28	Modeling of an ultrahigh-frequency resonator based on the relative vibrations of carbon nanotubes. <i>Physical Review B</i> , 2009 , 80,	3.3	22

27	Ab initio calculations of the walls shear strength of carbon nanotubes. <i>Technical Physics Letters</i> , 2009 , 35, 666-669	0.7	11
26	An electromechanical nanothermometer based on thermal vibrations of carbon nanotube walls. <i>Physics of the Solid State</i> , 2009 , 51, 1306-1314	0.8	3
25	Electromechanical Nanothermometer Based on Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008 , 16, 352-356	1.8	2
24	A theoretical study of the cohesion of noble gases on graphite. <i>Journal of Chemical Physics</i> , 2008 , 128, 024709	3.9	18
23	Theoretical study of the structures and electronic properties of all-surface KI and CsI nanocrystals encapsulated in single walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2008 , 129, 154701	3.9	13
22	Nanorelay Based on Multi-walled Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008 , 16, 340-343	1.8	3
21	Nanotube-based data storage devices. <i>Materials Today</i> , 2008 , 11, 38-43	21.8	27
20	Polarizability of the Iodide Ion in Crystal. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9548-9561	3.8	11
19	Electromechanical nanothermometer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 480-486	2.3	23
18	Nanoelectromechanical systems based on multi-walled nanotubes: nanothermometer, nanorelay, and nanoactuator. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1911-1917	1.6	34
17	Modelling interwall interactions in carbon nanotubes: fundamentals and device applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 2893-906 ³		5
16	Diffusion of Walls in Double-Walled Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006 , 14, 215-220	1.8	5
15	Interwall interaction and elastic properties of carbon nanotubes. <i>Physical Review B</i> , 2006 , 73,	3.3	55
14	Fundamental global model for the structures and energetics of nanocrystalline ionic solids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5936-49	3.4	13
13	Multi-Walled Nanotubes: Commensurate-Incommensurate Phase Transition and NEMS Applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006 , 14, 131-140	1.8	24
12	Structure and energetics of LiF chains as a model for low dimensional alkali halide nanocrystals. <i>Chemical Physics Letters</i> , 2006 , 423, 234-239	2.5	7
11	Ab initio study of relative motion of walls in carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	45
10	Extrapolation methods and scaled perturbation theory for determining intermolecular potential energy surfaces. <i>International Journal of Quantum Chemistry</i> , 2004 , 96, 537-546	2.1	5

9	Ab initio spectroscopy of Van der Waals molecules: a comparison of three different theoretical methods applied to NeHF and NeDF. <i>Chemical Physics Letters</i> , 2004 , 393, 70-75	2.5	1
8	Intermolecular potential energy extrapolation method for weakly bound systems: Ar ₂ , ArH ₂ and ArHF dimers. <i>Molecular Physics</i> , 2004 , 102, 567-577	1.7	8
7	Intermolecular potentials from supermolecule and monomer calculations. <i>International Reviews in Physical Chemistry</i> , 2004 , 23, 151-185	7	22
6	Perturbative, acausal effects in ultracold non-crossing atomic collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 11-18	1.3	1
5	On the semiclassical approach to cold atomic collisions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2002 , 458, 1399-1409	2.4	1
4	Semiclassical analytical approach to the description of quasimolecular optical transitions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 2469-2475	1.3	5
3	Extrapolation of intermolecular interaction energies in weakly bound Van der Waals complexes. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2002 , 2, 391-397	0.3	6
2	Spectroscopy of quasimolecular optical transitions: Ca(4s21S0-4s4p1P,4s3d1D2)-He. The influence of radiation width. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 2301-2312	1.3	7
1	Quasi-molecular emission and nonadiabatic transitions: II. Ca(4s4p 1 P, 4s3d 1 D)-He(1s 2, 1 S 0) quasi-molecule. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2000 , 88, 163-168	0.7	1