

# Josef Pola

## List of Publications by Year in descending order

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336  
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times ranked

1386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances and future perspectives of sol-gel derived porous bioactive glasses: a review. RSC Advances, 2020, 10, 33782-33835.	1.7	108
2	The equilibrium structure of silene H <sub>2</sub> C=SiH <sub>2</sub> from millimeter wave spectra and from ab initio calculations. Journal of Chemical Physics, 1997, 106, 10016-10026.	1.2	68
3	Application of <sup>29</sup> Si-NMR to analysis of silylated compounds. NMR spectra of (CH <sub>3</sub> ) <sub>3</sub> Si-O-C derivatives. Collection of Czechoslovak Chemical Communications, 1976, 41, 360-367.	1.0	64
4	Laser photolysis of liquid benzene and toluene: Graphitic and polymeric carbon formation at ambient temperature. Carbon, 1997, 35, 605-611.	5.4	41
5	New pathways in laser induced thermal gas-phase chemistry. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 607-616.	0.1	35
6	IR laser ablation of poly(vinyl chloride): Formation of monomer and deposition of nanofibres of chlorinated polyhydrocarbon. Polymer Degradation and Stability, 2006, 91, 213-220.	2.7	33
7	Silaethene H <sub>2</sub> C=SiH <sub>2</sub> : Millimeter Wave Spectrum and Ab Initio Calculations. Angewandte Chemie International Edition in English, 1996, 35, 2513-2515.	4.4	31
8	Excimer laser photolysis of tetramethylgermane. Journal of Organometallic Chemistry, 1992, 437, 271-278.	0.8	29
9	IR laser photosensitized decomposition of 1-methyl-1-silacyclobutane. Efficient gas-phase polymer deposition. Journal of Organometallic Chemistry, 1988, 341, C13-C16.	0.8	28
10	Environmental Effects on the Formation of the Primary and Secondary Ozonides of Ethylene at Cryogenic Temperatures. Journal of the American Chemical Society, 1996, 118, 3687-3693.	6.6	28
11	The manifestation of the $\beta$ -effect in <sup>35</sup> Cl-NQR spectra of RR'R'Si(CH <sub>3</sub> -nCl <sub>n</sub> ), (n = 1-3). Collection of Czechoslovak Chemical Communications, 1976, 41, 2718-2723.	1.0	28
12	Production of poly(silaisoprene) by laser-induced decomposition of 1-methyl-1-vinyl-1-silacyclobutane. Journal of Organometallic Chemistry, 1990, 391, 275-282.	0.8	27
13	Si/C Phases from the IR Laser-induced Decomposition of Silacyclobutane and 1,3-Disilacyclobutane. Applied Organometallic Chemistry, 1996, 10, 83-99.	1.7	27
14	UV Laser Photolysis of Disiloxanes for Chemical Vapor Deposition of Nano-Textured Silicones. Chemistry of Materials, 2002, 14, 144-153.	3.2	27
15	Laser-generated silenes and their gas-phase polymerization. Radiation Physics and Chemistry, 1997, 49, 151-154.	1.4	26
16	Thermally Stable Polyoxocarbosilane Thin Films by Pulsed IR Laser Ablation of Poly[oxy(tetramethyldisilane-1,2-diyl)]. Chemistry of Materials, 2002, 14, 1242-1248.	3.2	25
17	Chemical vapour deposition of germanium films by laser-induced photolysis of ethylgermanes. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1637.	1.7	24
18	Organosilicon compounds CIV. Silicon-29 NMR chemical shifts in some carbofunctional organosilicon compounds. Journal of Organometallic Chemistry, 1973, 49, C19-C21.	0.8	22

#	ARTICLE	IF	CITATIONS
19	Laser-powered homogeneous and heterogeneous pyrolysis of 2-nitropropane. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1984, 80, 1499.	1.0	22
20	CO <sub>2</sub> laser-induced thermal chemical vapour deposition of polymers. <i>Journal of Analytical and Applied Pyrolysis</i> , 1994, 30, 73-90.	2.6	22
21	Laser-induced aerosol particle formation from a gaseous mixture of trimethyl(2-propynyloxy)silane and acrolein. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 116, 91-95.	2.0	22
22	Formation of secondary ozonides in the gas phase low-temperature ozonation of primary and secondary alkenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 239-248.	0.9	22
23	The study of the interaction between geminal chlorine and oxygen atoms in alkoxychlorosilanes by NQR spectroscopy. <i>Collection of Czechoslovak Chemical Communications</i> , 1976, 41, 3771-3777.	1.0	22
24	Application of <sup>29</sup> Si-NMR to analysis of silylated amino and other carbonfunctional carboxylic acids. <i>Collection of Czechoslovak Chemical Communications</i> , 1977, 42, 1165-1169.	1.0	21
25	Silicone polymer deposition by CO <sub>2</sub> laser induced decomposition of silane in the presence of methyl methacrylate. <i>Applied Physics A: Materials Science and Processing</i> , 1988, 46, 275-279.	1.1	21
26	Efficient laser-induced generation and polymerization of the highly unsaturated compound diethynylsilene in the gas phase. <i>Journal of Organometallic Chemistry</i> , 1993, 453, 17-20.	0.8	21
27	Chemical vapour deposition of polycarbosilanes via ArF laser-induced photolysis of sila-, 1-methyl-1-sila- and 1,3-disila-cyclobutanes. <i>Journal of Materials Chemistry</i> , 1995, 5, 1345-1349.	6.7	21
28	Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer. <i>Journal of Organometallic Chemistry</i> , 1996, 509, 73-76.	0.8	21
29	ArF and KrF Laser-Induced Gas-Phase Photolysis of Selenophene and Tellurophene: Extrusion of Te and Se and Intramolecular 1,3-H Shift Competing with I <sup>2</sup> -Câ <sup>o</sup> C Cleavage in C <sub>4</sub> H <sub>4</sub> Residue. <i>Journal of Organic Chemistry</i> , 2000, 65, 2759-2762.	1.7	21
30	ArF Laser-Induced Chemical Vapor Deposition of Polythiene Films from Carbon Disulfide. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9793-9801.	1.2	21
31	IR laser-induced chemical vapor deposition of carbon-coated iron nanoparticles embedded in polymer. <i>Journal of Materials Chemistry</i> , 2005, 15, 4311.	6.7	21
32	Laser-induced decomposition of 1,1-dichloro-1-silacyclobutane for gas-phase deposition of reactive solid polycarbosilane. <i>Journal of Organometallic Chemistry</i> , 1994, 466, 29-34.	0.8	20
33	Observation of secondary 2-butene ozonide in the ozonation of trans-2-butene in the gas phase. <i>Tetrahedron Letters</i> , 1996, 37, 3391-3394.	0.7	20
34	UV laser-induced gas-phase polymerization of trimethyl(propynyloxy)silane. <i>Tetrahedron Letters</i> , 1997, 38, 7809-7812.	0.7	20
35	Laser-induced decomposition of trimethyl(methoxy)silane, hexamethyldisiloxane and tetramethoxysilane for production of silicon-containing coatings. <i>Journal of Analytical and Applied Pyrolysis</i> , 1990, 18, 71-77.	2.6	19
36	Chemical vapour deposition of reactive organogermanium films by laser-induced decomposition of tetramethoxygermane. <i>Journal of Materials Chemistry</i> , 1992, 2, 961.	6.7	19

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37	Time-resolved study of the transients produced in the CO <sub>2</sub> and ArF laser flash photolysis of gaseous silacyclobutane and 1,3-disilacyclobutane. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 179.	1.7	19
38	TEA CO <sub>2</sub> pulsed laser deposition of silicon suboxide films. <i>Journal of Non-Crystalline Solids</i> , 2001, 288, 30-36.	1.5	19
39	IR laser-induced reactive ablation of silicon monoxide in hydrogen and water atmosphere. <i>Journal of Materials Chemistry</i> , 2002, 12, 1800-1805.	6.7	19
40	Laser Ablative Structural Modification of Poly(ethylene-alt-maleic anhydride). <i>Chemistry of Materials</i> , 2003, 15, 3887-3893.	3.2	19
41	Room-Temperature Reaction between Laser Chemical Vapor Deposited Selenium and Some Metals. <i>Chemistry of Materials</i> , 2004, 16, 3439-3445.	3.2	19
42	Laser-induced chemical liquid deposition of discontinuous and continuous copper films. <i>Surface and Coatings Technology</i> , 2007, 201, 4728-4733.	2.2	19
43	<sup>17</sup> O, <sup>13</sup> C, and <sup>29</sup> Si NMR spectra of some acyloxy- and diacetoxysilanes and acetoxygermanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1986, 51, 2582-2589.	1.0	19
44	Chemical vapour deposition of selenium and tellurium films by UV laser photolysis of selenophene and tellurophene. <i>Applied Organometallic Chemistry</i> , 2000, 14, 715-720.	1.7	18
45	Laser hydrothermal reductive ablation of titanium monoxide: Hydrated TiO particles with modified Ti/O surface. <i>Journal of Solid State Chemistry</i> , 2013, 197, 337-344.	1.4	18
46	Laser evaporation of some solid organosilicon polymers. <i>Applied Organometallic Chemistry</i> , 1991, 5, 57-64.	1.7	17
47	Laser-induced explosive decomposition of (fluoromethyl)silanes: reductive chemistry initiated by laser photolysis. <i>Organometallics</i> , 1993, 12, 171-176.	1.1	17
48	Laser-induced chemical vapour deposition of Si/C/H materials from monoorganosilanes. <i>Journal of Materials Chemistry</i> , 1996, 6, 155-160.	6.7	17
49	IR laser-induced decomposition of disiloxane for chemical vapour deposition of poly(hydridosiloxane) films. <i>Applied Organometallic Chemistry</i> , 1999, 13, 655-658.	1.7	17
50	IR laser-induced decomposition of 1,3-dimethyldisiloxane for chemical vapour deposition of nano-structured methyl(hydrido)silicone phases. <i>Journal of Materials Chemistry</i> , 2000, 10, 1415-1418.	6.7	17
51	IR laser-induced formation of amorphous Co <sup>13</sup> C films with crystalline Co, Co <sub>2</sub> C and Co <sub>3</sub> C nanograins in a graphitic shell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 153-161.	2.0	17
52	UV spectrum and decay kinetics of transient methylsilene produced in the 193 nm photolysis of gaseous 1-methyl-1-silacyclobutane. <i>Chemical Physics Letters</i> , 1996, 255, 129-133.	1.2	16
53	Solution photolysis of ferrocene into Fe-based nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 251-256.	2.0	16
54	IR laser ablative degradation of poly(ethylene terephthalate): Formation of insoluble films with differently bonded CO groups. <i>Polymer Degradation and Stability</i> , 2006, 91, 2318-2323.	2.7	16

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55	IR laser ablative degradation of poly(phenylene ether-sulfone): Deposition of films containing ether, sulfone, sulfoxide and sulfide groups. <i>Polymer Degradation and Stability</i> , 2009, 94, 196-200.	2.7	16
56	Organosilicon compounds. IC. On the nature of $\beta$ -effect and its role in trimethylsilylalkyl ethers. <i>Collection of Czechoslovak Chemical Communications</i> , 1973, 38, 3158-3162.	1.0	16
57	CW-CO <sub>2</sub> laser-induced and SF <sub>6</sub> -sensitized decomposition of trifluoroacetic acid. <i>Collection of Czechoslovak Chemical Communications</i> , 1981, 46, 2854-2859.	1.0	15
58	Efficient gas phase polymer deposition by infrared laser-photosensitized decomposition of 4-silaspiro[3.4]octane. <i>Journal of Analytical and Applied Pyrolysis</i> , 1989, 14, 345-349.	2.6	15
59	Thermal reactions of decalin. I. A comparative study of conventional and laser-driven pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 1990, 18, 19-32.	2.6	15
60	Laser-powered homogeneous pyrolysis of 1,1-dimethyl-1-silacyclobutane in the presence of some common monomers. <i>Journal of Organometallic Chemistry</i> , 1992, 426, 23-34.	0.8	15
61	Matrix effects in the low-temperature ozonation of ethylene, tetramethylethylene and 1-hexene. <i>Journal of Molecular Structure</i> , 1998, 449, 177-201.	1.8	15
62	Nano-structured crystalline Te films by laser gas-phase pyrolysis of dimethyl tellurium. <i>Journal of Analytical and Applied Pyrolysis</i> , 2004, 71, 739-746.	2.6	15
63	IR Laser-Induced Degradation of Poly(vinyl acetate): Novel Thermal Reactions in Solid Polymers. <i>Macromolecular Rapid Communications</i> , 2005, 26, 386-389.	2.0	15
64	Laser CVD of Nanodisperse Ge-Sn Alloys Obtained by Dielectric Breakdown of SnH <sub>4</sub> /GeH <sub>4</sub> Mixtures. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1464-1467.	1.0	15
65	Organosilicon compounds. XCVII. Cyclization of terminal ethoxysilyl-substituted propoxy- and butoxymethylsilanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1973, 38, 1528-1536.	1.0	15
66	Laser powered homogeneous decomposition of methyl acrylate and methacrylate. <i>Tetrahedron</i> , 1989, 45, 5065-5072.	1.0	14
67	Excimer laser photolysis of hexamethyldisilazane. <i>Journal of Organometallic Chemistry</i> , 1993, 446, 131-134.	0.8	14
68	IR laser-induced chemical vapour deposition of silicon oxycarbide phases from 1,1,3,3-tetramethyldisiloxane. <i>Journal of Analytical and Applied Pyrolysis</i> , 1996, 38, 153-159.	2.6	14
69	IR laser-induced thermolysis and UV laser-induced photolysis of 1,3-diethyldisiloxane: chemical vapour deposition of nanotextured hydridoalkylsilicones. <i>Journal of Materials Chemistry</i> , 2001, 11, 1557-1562.	6.7	14
70	IR laser ablative desulfurization of poly(1,4-phenylene sulfide). <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 73, 145-149.	2.6	14
71	Thermal behaviour of polyoxocarbosilane shells in Fe-based (core)-polyoxocarbosilane (shell) nanocomposites. <i>Thermochimica Acta</i> , 2005, 439, 80-85.	1.2	14
72	Infrared laser synthesis and properties of magnetic nano-iron-polyoxocarbosilane composites. <i>Applied Organometallic Chemistry</i> , 2005, 19, 1015-1021.	1.7	14

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73	IR laser co-pyrolysis of (CH <sub>3</sub> ) <sub>2</sub> Te and (CH <sub>3</sub> ) <sub>4</sub> Sn: Gas-phase formation and deposition of nanostructured SnTe. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 75, 65-68.	2.6	14
74	Tea CO <sub>2</sub> laser driven oxidation of tetrafluoroethene and decafluorocyclopentane with molecular oxygen. Evidence for the dioxetane mechanism. <i>Chemical Physics Letters</i> , 1987, 142, 252-254.	1.2	13
75	Single-pulse laser-induced decomposition of trifluoromethylsilane. <i>Chemical Physics Letters</i> , 1991, 178, 192-196.	1.2	13
76	Laser-induced chemical vapour deposition of polymethanimine. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, .	2.0	13
77	Laser-powered decomposition of spiro[2.n]alkanes (n = 2-5). <i>Journal of Organic Chemistry</i> , 1993, 58, 7709-7717.	1.7	13
78	Laser induced chemical vapour deposition of polypyridine films. <i>Journal of Materials Chemistry</i> , 1995, 5, 849-851.	6.7	13
79	IR laser photosensitized decomposition of trimethyl(2-propynyloxy)silane for chemical vapour deposition of polydimethylsiloxane phases. <i>Journal of Analytical and Applied Pyrolysis</i> , 1998, 44, 219-226.	2.6	13
80	Formation of hydrogenated Si <sub>2</sub> O films by UV laser photolysis of disiloxane. <i>Journal of Materials Chemistry</i> , 1999, 9, 2429-2431.	6.7	13
81	IR laser-induced modification of poly(vinyl acetate): Elimination of monomer and deposition of polar crosslinked films. <i>Polymer</i> , 2005, 46, 8973-8980.	1.8	13
82	Laser-Induced Conversion of Silica into Nanosized Carbon~Polyoxocarbosilane Composites. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16818-16826.	1.5	13
83	IR laser-induced metal ablation and dielectric breakdown in benzene. <i>Infrared Physics and Technology</i> , 2010, 53, 23-28.	1.3	13
84	Novel perspectives of laser ablation in liquids: the formation of a high-pressure orthorhombic FeS phase and absorption of FeS-derived colloids on a porous surface for solar-light photocatalytic wastewater cleaning. <i>Dalton Transactions</i> , 2020, 49, 13262-13275.	1.6	13
85	The effect of the structure of silanes on selectivity of hydrosilylation of 1-hexene. <i>Collection of Czechoslovak Chemical Communications</i> , 1976, 41, 391-394.	1.0	13
86	Bonded and nonbonded interactions displayed in spectra of acyloxytrimethylsilanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1977, 42, 1540-1550.	1.0	13
87	Electronic interactions displayed in the spectra of substituted alkoxytrimethylsilanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1976, 41, 239-247.	1.0	12
88	Laser-driven thermolysis of spirohexane. <i>Journal of Organic Chemistry</i> , 1988, 53, 2612-2614.	1.7	12
89	Infrared-laser induced production of silicon coating via reaction of silane with trifluoroacetic acid. <i>Infrared Physics</i> , 1990, 30, 355-357.	0.5	12
90	ArF laser photolysis of tetraethyl- and tetravinyl-silane. <i>Journal of Organometallic Chemistry</i> , 1995, 489, C9-C11.	0.8	12

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91	Deposition of nanostructured Te and Te/C particles by excimer laser-induced photolysis of organotelluriums in the liquid phase. <i>Journal of Materials Chemistry</i> , 1999, 9, 563-566.	6.7	12
92	IR laser-induced decomposition of hexamethyldisiloxane for chemical vapour deposition of nano-structured hydrido(methyl)silicone powders. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 57, 109-118.	2.6	12
93	UV laser-induced photolysis of 1,3-disilacyclobutane in oxygen for chemical vapour deposition of nano-sized polyoxocarbosilane films. <i>Journal of Organometallic Chemistry</i> , 2001, 640, 170-176.	0.8	12
94	Laser-induced synthesis of iron-iron oxide/methylmethoxysilicone nanocomposite. <i>Applied Organometallic Chemistry</i> , 2004, 18, 337-342.	1.7	12
95	Structural and sensing properties of a novel Fe/Fe <sub>2</sub> O <sub>3</sub> /polyoxocarbosilane core shell nanocomposite powder prepared by laser pyrolysis. <i>Journal of Materials Science</i> , 2007, 42, 1838-1846.	1.7	12
96	IR laser-induced ablation of Ag in dielectric breakdown of gaseous hydrocarbons: Simultaneous occurrence of metastable hcp and stable fcc Ag nanostructures in C:H shell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 213, 114-122.	2.0	12
97	Infrared laser-produced carbon-phase shield to oxidation of nanosized titanium monoxide. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 92, 287-291.	2.6	12
98	Equilibrium and kinetic studies of disproportionation of sodium tetracene in benzene. The effect of added tetrahydrofuran. <i>The Journal of Physical Chemistry</i> , 1976, 80, 1690-1692.	2.9	11
99	The extent of some intramolecular effects in triethoxy- and trimethoxysilanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1978, 43, 3391-3395.	1.0	11
100	Some chemical reactions of sulfur hexafluoride with silicon containing species stimulated by cw CO <sub>2</sub> laser radiation. <i>Collection of Czechoslovak Chemical Communications</i> , 1979, 44, 2092-2095.	1.0	11
101	Deposition of germanium by laser-induced photolysis of organogermanes in the liquid phase. <i>Journal of Materials Chemistry</i> , 1992, 2, 1289.	6.7	11
102	Polycarbosilane-based coatings by laser-induced polymerization of silenes in the gas phase. <i>Surface and Coatings Technology</i> , 1998, 100-101, 408-410.	2.2	11
103	UV laser-induced gas-phase polymerization of ethynyltrimethylsilane. <i>Macromolecular Rapid Communications</i> , 2000, 21, 178-181.	2.0	11
104	Perhydridosilicone films produced by IR laser-induced chemical vapour deposition from disiloxane. <i>Applied Organometallic Chemistry</i> , 2000, 14, 453-464.	1.7	11
105	Polymer-stabilized nano-sized tellurium films by laser-induced chemical vapour co-deposition process. <i>Journal of Materials Chemistry</i> , 2003, 13, 394-398.	6.7	11
106	IR laser production of nanostructured polyborocarbosiloxane powders with SiOB bonds. <i>Solid State Sciences</i> , 2005, 7, 123-131.	1.5	11
107	ArF laser photolysis of gaseous CS <sub>2</sub> -(CH <sub>3</sub> ) <sub>4</sub> Sn mixtures: gas-phase reaction between tin and sulfur and deposition of nanosized tin sulfides incorporated in a polymer network. <i>New Journal of Chemistry</i> , 2005, 29, 785.	1.4	11
108	Organosilicon compounds. XCVI. Intramolecular hydrogen bonds in phenylsilylalkanols. <i>Collection of Czechoslovak Chemical Communications</i> , 1973, 38, 1522-1527.	1.0	10

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109	Laser-driven oxidation of some haloolefins. <i>Journal of Fluorine Chemistry</i> , 1987, 37, 197-213.	0.9	10
110	Infrared laser driven degradation of polytetrafluoroethene. <i>Journal of Fluorine Chemistry</i> , 1990, 50, 309-318.	0.9	10
111	Organosilicon Polymer Deposition by Teledyne CO <sub>2</sub> Laser-Induced Decomposition of Silane in the Presence of Different Oxygenated Olefins. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1990, 27, 1015-1028.	0.4	10
112	IR laser-induced decomposition of 2-chloroethenylsilane for chemical vapour deposition of Si/C phases. <i>Journal of Materials Chemistry</i> , 1996, 6, 975-981.	6.7	10
113	Laser-induced decompositions of 3,5-dimethyl-1,2,4-trioxolane (secondary butene-2-ozonide) in the gas phase. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1147-1152.	0.9	10
114	Megawatt UV laser photolysis of disiloxanes: thermally stable polyoxocarbosilane powders. <i>Solid State Sciences</i> , 2003, 5, 1079-1086.	1.5	10
115	N <sub>2</sub> laser-induced formation of copolymeric ultrafine particles in a gaseous tetraethenylgermane-carbon disulfide mixture. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 21-26.	2.0	10
116	IR laser-induced CVD of <sup>119</sup> Sn/SnSi-nanodisperse alloys from stannane-silane mixture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 86, 381-385.	2.6	10
117	Room-temperature sulfidation of copper nanoparticles with sulfur yielding covellite nanoparticles. <i>Comptes Rendus Chimie</i> , 2012, 15, 511-516.	0.2	10
118	Reactive deposition of laser ablated FeSi nanoparticles on a copper surface. <i>RSC Advances</i> , 2014, 4, 11543-11551.	1.7	10
119	Base-catalysed methanolysis of trimethylsilyloxyalkanes R(CH <sub>2</sub> ) <sub>n</sub> OSi(CH <sub>3</sub> ) <sub>3</sub> and the $\alpha$ -effect. <i>Collection of Czechoslovak Chemical Communications</i> , 1974, 39, 3705-3710.	1.0	10
120	Continuous wave carbon dioxide laser-driven oxidation of tetrafluoroethene with molecular oxygen. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1727-1731.	0.9	9
121	IR laser-induced decomposition of prop-2-enylsilane and ethynylsilane for chemical vapour deposition of Si/C phases. <i>Journal of Materials Chemistry</i> , 1997, 7, 1415-1420.	6.7	9
122	UV-laser-induced photolysis of trimethyl(vinyloxy)silane for chemical vapour deposition of polysiloxane films. <i>Applied Organometallic Chemistry</i> , 1999, 13, 643-647.	1.7	9
123	Atmospheric pressure chemical vapour deposition of selenium films by KrF laser photolysis of dimethyl selenium. <i>Applied Surface Science</i> , 2001, 172, 220-224.	3.1	9
124	Atmospheric pressure chemical vapour deposition of selenium and tellurium films by UV laser photolysis of diethyl selenium and diethyl tellurium. <i>Applied Organometallic Chemistry</i> , 2001, 15, 924-930.	1.7	9
125	UV Laser Photodeposition of Nanotextured Poly(hydridomethylsiloxane) Powder from Gaseous 1,3-Dimethyldisiloxane. <i>Chemical Vapor Deposition</i> , 2001, 7, 19-22.	1.4	9
126	Laser-induced formation of polymers from unsaturated (organyl)trimethylsilanes in the gas phase. <i>Polymer</i> , 2001, 42, 1311-1318.	1.8	9



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127	UV Laser-Induced Gas-Phase Copolymerization of Carbon Disulfide and Ethene. <i>Macromolecular Rapid Communications</i> , 2004, 25, 587-591.	2.0	9
128	IR laser-induced synthesis of nanostructured germanium telluride in the gas phase. <i>Applied Organometallic Chemistry</i> , 2005, 19, 854-858.	1.7	9
129	Photochemical synthesis of ultrafine organosilicon particles from trimethyl(2-propynyloxy)silane and carbon disulfide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 179, 142-148.	2.0	9
130	Laser Photochemical Etching of Silica: Nanodomains of Crystalline Chaoite and Silica in Amorphous C/Si/O/N Phase. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13281-13286.	1.5	9
131	Laser ablation of Ga in dielectric breakdown of gaseous hydrocarbons: deposition of ambient-pressure unstable Ga nanophases in carbonaceous environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 164-171.	2.0	9
132	Enhancement of thermal stability of silver(I) acetylacetonate by platinum(II) acetylacetonate. <i>Thermochimica Acta</i> , 2013, 554, 1-7.	1.2	9
133	Organosilicon compounds. C. $\hat{\pm}$ -Effect in IR spectra of some oxygen containing carbon-functional silanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1973, 38, 3163-3166.	1.0	9
134	The $\hat{\pm}$ -effect and rotational isomerism in silylmethyl halides (CH <sub>3</sub> ) <sub>2</sub> HSiCH <sub>2</sub> Y. <i>Collection of Czechoslovak Chemical Communications</i> , 1977, 42, 2914-2921.	1.0	9
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