

CITATION REPORT

List of articles citing

Polyhedral oligosilsesquioxanes and their homo derivatives

DOI: 10.1007/3-540-11345-2_12

Topics in Current Chemistry, 1982, , 199-236.

Source: <https://exaly.com/paper-pdf/15865346/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
403	ChemInform Abstract: POLYHEDRAL OLIGOSILSESQUIOXANES AND THEIR HOMO DERIVATIVES. 1982 , 13, no		1
402	Vinylphenyloctasilsesquioxanes. 1983 , 32, 1707-1708		1
401	Molecular and electronic structure of penta- and hexacoordinate silicon compounds. <i>Topics in Current Chemistry</i> , 1986 , 99-189		242
400	Thermoanalytical investigations on curing and decomposition of methyl silicone resin. 1988 , 134, 269-274		11
399	Treatment of alkyltriethoxysilanes with amberlyst 15 cation-exchange resin in the presence of hexamethyldisiloxane. 1988 , 340, 31-36		2
398	Syntheses of highly-functionalized polyhedral oligosilsesquioxanes. 1989 , 379, 33-40		95
397	New polyhedral oligosilsesquioxanes via the catalytic hydrogenation of aryl-containing silsesquioxanes. 1989 , 373, 153-163		63
396	The Catalytic Synthesis of Inorganic Polymers for High Temperature Applications and as Ceramic Precursors. 1989 , 171, 31		9
395	Formation of CH ₃ Si ₈ O ₁₉₇ Cubic Octameric Anion in (2-Hydroxyethyl)trimethylammonium Silicate Aqueous Solutions Containing Hydrolysis Products of Methyltriethoxysilane. 1990 , 63, 3203-3208		6
394	Redistribution reactions in silsesquioxane gels. 1990 , 9, 1052-1054		53
393	Sol-gel condensation of rapidly hydrolyzed silicon alkoxides: A joint ²⁹ Si NMR and small-angle x-ray scattering study. 1990 , 41, 6901-6909		164
392	IR study on the structural evolution of sol-gel derived SiO ₂ gels in the early stage of conversion to glasses. 1990 , 126, 68-78		200
391	Crosslinked layered materials formed by intercalation of octameric siloxanes in metal(IV) hydrogen phosphates. 1991 , 1, 1081-1082		28
390	New Synthetic Route to Polyhedral Organylsilsesquioxanes. 1991 , 74, 24-26		37
389	Monosubstitution von Octa(hydridosilasesquioxan) H ₈ Si ₈ O ₁₂ zu R ⁷ H ₇ Si ₈ O ₁₂ mittels Hydrosilylierung Kurzmitteilung. 1991 , 74, 1278-1280		38
388	Synthesis and sol-gel polymerization of [Si ₈ O ₁₂](OCH ₃) ₈ . 1991 , 1, 335-342		22
387	Strained Cage Molecules Constructing with Chalcogen and Silicon Atoms. 1992 , 67, 45-48		0

386	H ₈ Si ₈ O ₁₂ [Modell und Ausgangsverbindung. 1992 , 40, 1106-1114	14
385	The synthesis and characterization of norbornylsilasesquioxanes. 1992 , 6, 253-260	32
384	Ein Germaniumsesisulfid der Zusammensetzung (tBuGe) ₄ Si ₆ ohne Adamantanstruktur. 1992 , 104, 84-85	19
383	Synthesen, Einkristall-Röntgenstrukturanalysen und ²⁹ Si-Festkörper-NMR-Untersuchungen eines zwitterionischen β-Spirosilicats und eines käfigartigen Octa(silasesquioxans). 1993 , 619, 347-358	24
382	Infrared study of EPOXS-TEOS-TPOT gels. 1993 , 28, 2119-2123	20
381	Arylene- and alkylene-bridged polysilasesquioxanes. 1993 , 160, 234-246	51
380	Preparation and Characterization of Montmorillonites Pillared by Cationic Silicon Species. 1994 , 42, 161-169	31
379	On the Effect of Organic Substitution of Silicon Alkoxides in Poly(Vinyl Acetate) Organic-Inorganic Composites. 1994 , 31, 1965-1973	17
378	Surface investigations of silylated substrates by TOF-SIMS. 1994 , 6, 142-144	9
377	Funktionalisierte siliciumverbindungen mit β-tetramethyl- und β-pentamethylcyclopentadienylalkyl-liganden: Molekulare bausteine zur darstellung von metall-haltigen polymeren. 1994 , 472, 27-38	22
376	²⁹ Si-NMR study of hydrolysis and initial polycondensation processes of organoalkoxysilanes. II. Methyltriethoxysilane. 1994 , 167, 21-28	85
375	Preparation and characterization of silica-pillared layered titanate. 1995 , 799-805	2
374	Funktionalisierte octa-(propylsilasesquioxane) (3-XC ₃ H ₆) ₈ (Si ₈ O ₁₂) modellverbindungen für oberflächenmodifizierte kieselgele. 1995 , 489, 185-194	130
373	Silasesquioxanes as ligands in inorganic and organometallic chemistry. 1995 , 14, 3239-3253	336
372	Synthesis and characterization of pillared clays containing both Si and Al pillars. 1995 , 126, 165-176	18
371	Alkylene-bridged polysilasesquioxane aerogels: highly porous hybrid organic-inorganic materials. 1995 , 186, 44-53	96
370	Preparation of transparent methyl-modified silica gel. 1995 , 189, 212-217	38
369	Catalytic effect of acetylacetonates on gel formation of. 1995 , 191, 304-310	13

368	Polyhedral Oligomeric Silsesquioxanes: Building Blocks for Silsesquioxane-Based Polymers and Hybrid Materials. 1995 , 17, 115-130	236
367	Nanostructured Inorganically Pillared Layered Metal(IV) Phosphates. 1996 , 8, 1758-1769	80
366	Organic-Soluble Cyclic and Cage Alkylaluminophosphates: X-ray Crystal Structure of [(tBu) ₂ Al(μ-O) ₂ P(OSiMe ₃) ₂] ₂ . 1996 , 35, 5756-5757	44
365	Intramolecular Condensation Reactions of μ ₂ Bis(triethoxysilyl)alkanes. Formation of Cyclic Disilsesquioxanes. 1996 , 118, 8501-8502	33
364	Silsesquioxanes as Synthetic Platforms. Thermally Curable and Photocurable Inorganic/Organic Hybrids. 1996 , 29, 2327-2330	241
363	Silsesquioxanes as Synthetic Platforms. 3. Photocurable, Liquid Epoxides as Inorganic/Organic Hybrid Precursors. 1996 , 8, 1592-1593	160
362	Hetero- and Metallasiloxanes Derived from Silanediols, Disilanols, Silanetriols, and Trisilanols. 1996 , 96, 2205-2236	460
361	Origin of Porosity in Arylene-Bridged Polysilsesquioxanes. 1996 , 435, 301	6
360	NMR Characterization of Hybrid Systems Based on Functionalized Silsesquioxanes. 1996 , 435, 437	1
359	Intramolecular Condensation Reactions of μ ₂ BIS(Triethoxysilyl) Alkanes. Formation of Cyclic disilsesquioxanes. 1996 , 435, 33	2
358	Derivatisation of octasilsesquioxane with alcohols and silanols. 1996 , 521, 391-393	39
357	Preparation of CH ₃ SiO _{3/2} Film from methyltriethoxysilane. 1996 , 6, 273-278	16
356	PREPARATION AND CHARACTERIZATION OF OCTASILSESQUIOXANE CAGE MONOMERS. 1997 , 20,	7
355	Synthesis, Characterization and Reactivity of cis-cis-cis[(C ₆ H ₅) ₄ Si ₄ O ₄ (OH) ₄]. 1997 , 2, 123-132	67
354	Catalytic Effect of Aluminum Acetylacetonate on Hydrolysis and Polymerization of Methyltrimethoxysilane. 1997 , 13, 473-476	16
353	Vibrational Structure of Monosubstituted Octahydrosilasesquioxanes. 1997 , 101, 4925-4933	43
352	Vibrations of H ₈ Si ₈ O ₁₂ , D ₈ Si ₈ O ₁₂ , and H ₁₀ Si ₁₀ O ₁₅ As Determined by INS, IR, and Raman Experiments□ 1997 , 101, 1171-1179	56
351	Preparation of CH ₃ SiO _{3/2} Gel Film on Aqueous Solutions. Infrared Spectroscopic Study of the Reaction in the Gel Film. 1997 , 101, 1328-1331	11

350	Growth patterns of chlorosiloxanes. 1997 , 398-399, 365-379	11
349	Cage-rearrangement of silsesquioxanes. 1997 , 16, 3357-3361	99
348	Synthese und Struktur von β -Halogenpropyl-octa(silasesquioxanen). 1997 , 623, 1243-1246	14
347	Silicate cages: precursors to new materials. 1997 , 542, 141-183	223
346	Cyclische und kubische Organophosphonate des Galliums und ihre Beziehung zu Strukturelementen von Gallophosphat-Molekularsieben. 1997 , 109, 249-251	21
345	Hybrid quantum-mechanical and molecular mechanics study of Cu atoms deposition on SiO ₂ surface defects. 1998 , 294, 611-618	37
344	Vibrational modes of isolated hydroxyls of silica computed ab initio in a cluster approach. 1998 , 294, 103-108	44
343	Polyfunctional cubic silsesquioxanes as building blocks for organic/inorganic hybrids. 1998 , 12, 715-723	130
342	Ein neuer Weg zu Heterosilsesquioxan-Geräten. 1998 , 110, 2808-2811	4
341	Silsesquioxanes: Part I: A key intermediate in the building of molecular composite materials. 1998 , 565, 159-164	56
340	Characterization of organosilasesquioxane-intercalated-laponite-clay modified electrodes and (bio)electrochemical applications. 1998 , 458, 73-86	44
339	Hybrid Xerogels from Dendrimers and Arborols. 1998 , 10, 1795-1804	45
338	Clay/Aminopropylsiloxane Compositions. 1998 , 10, 639-645	44
337	A General Strategy for Synthesizing Cubeoctameric Silsesquioxanes Containing Polymerizable Functional Groups. 1998 , 2, 169-181	5
336	Enhancement of polymerization in CH ₃ SiO _{3/2} coating film by gaseous amines. 1999 , 349, 24-28	2
335	Molecular structure of silsesquioxanes determined by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. 1999 , 10, 224-230	56
334	Polyhedral oligosilsesquioxanes (POSS) Building blocks for the development of nano-structured materials. 1999 , 144-145, 713-715	24
333	Cage-like clusters as models for the hydroxyls of silica: ab initio calculation of ¹ H and ²⁹ Si NMR chemical shifts. 1999 , 299, 443-450	32

332	Tailored Porous Materials. 1999 , 11, 2633-2656	623
331	Structural Studies of Novel Siloxysilsesquioxanes. 1999 , 1999, 1087-1094	34
330	Monosubstituted octasilasesquioxanes. 1999 , 13, 213-226	102
329	Polyhedral liquid crystal silsesquioxanes. 1999 , 13, 261-272	60
328	Siloxane network formation from the Si ₈ O ₂₀ 8B silicate species and dimethyldichlorosilane. 1999 , 13, 273-277	10
327	Functionalized polyhedral oligosilsesquioxane (POSS) macromers: new graftable POSS hydride, POSS olefin, POSS epoxy, and POSS chlorosilane macromers and POSS siloxane triblocks. 1999 , 13, 311-327	127
326	Octa(3-chloroammoniumpropyl) octasilasesquioxane. 1999 , 13, 329-336	92
325	Building Block approach to SiO ₂ /TiO ₂ porous materials. 1999 , 13, 549-554	4
324	Organically Functionalized Metallic Oxo-Clusters: Structurally Well-Defined Nanobuilding Blocks for the Design of Hybrid Organic-Inorganic Materials. 1999 , 20, 327-371	93
323	Synthesis and Characterization of Polyhedral Silsesquioxanes Bearing Bulky Functionalized Substituents. 1999 , 32, 4757-4763	66
322	Cagelike Clusters as Models for the Isolated Hydroxyls of Silica: Ab Initio B3-LYP Calculations of the Interaction with Ammonia. 1999 , 15, 5829-5835	23
321	MSINDO Study of Hydridosilsesquioxanes. 1999 , 103, 10087-10091	15
320	Controlled Cleavage of Fully-Condensed Silsesquioxane Frameworks: A Revolutionary New Method for Manufacturing Precursors to Hybrid Inorganic/Organic Materials. 1999 , 576, 111	1
319	Nanoscale reinforcement of polyhedral oligomeric silsesquioxane (POSS) in polyurethane elastomer. 2000 , 49, 437-440	170
318	Poly(phenylsilsesquioxane)s: Structural and morphological characterization. 2000 , 38, 1580-1589	69
317	A Novel Borosilicate Cage Compound with an Incomplete B ₄ Si ₄ Cube Structure: [(tBuSi) ₄ (CH ₂ =CHC ₆ H ₄ B) ₄ O ₁₀]. 2000 , 112, 3744-3747	3
316	A Novel Borosilicate Cage Compound with an Incomplete B(4)Si(4) Cube Structure:. 2000 , 39, 3598-3601	27
315	Disiloxanediolates and polyhedral metallasilsesquioxanes of the early transition metals and f-elements. 2000 , 206-207, 321-368	145

314	Silsesquioxane Chemistry, 5. Retention of the Cu ₄ O ₄ core upon formation of the first copper(I) silsesquioxane from tetrameric copper(I)-t-butoxide. 2000 , 3, 658-661	12
313	Silsesquioxane chemistry, 6. 2000 , 3, 292-295	14
312	Hybrid Silica Based Materials as New Solid Phase Extractants.. 2000 , 628, 1	4
311	Major Advances in the Synthesis of POSS Monomers. 2000 , 628, 1	
310	Theoretical Studies of the Mechanism for the Synthesis of Silsesquioxanes. 2. Cyclosiloxanes (D3 and D4). 2000 , 104, 4058-4063	46
309	Reactivities of Silicas with Organometallic Methylating Agents. 2000 , 122, 3118-3126	45
308	A mechanistic investigation of gelation. The sol-gel polymerization of precursors to bridged polysilsesquioxanes. 2001 , 34, 707-16	110
307	Designed Hybrid Organic-Inorganic Nanocomposites from Functional Nanobuilding Blocks. 2001 , 13, 3061-3083	1092
306	Synthesis and Characterization of Liquid Crystalline Silsesquioxanes. 2001 , 13, 3653-3662	77
305	Microporous MgSi ₂ O ₇ and AlSi ₂ O ₇ Materials Derived from Metal Silsesquioxanes. 2001 , 13, 2958-2964	51
304	Structural development during deformation of polyurethane containing polyhedral oligomeric silsesquioxanes (POSS) molecules. 2001 , 42, 599-611	254
303	New chalcogen derivatives of silicon possessing adamantane and noradamantane structures. 2001 , 628, 133-143	52
302	A New, Efficient Route to Titanium-Silsesquioxane Epoxidation Catalysts Developed by Using High-Speed Experimentation Techniques. 2001 , 113, 762-765	8
301	A New, Efficient Route to Titanium-Silsesquioxane Epoxidation Catalysts Developed by Using High-Speed Experimentation Techniques P.P. is grateful for a studentship from TUD.. 2001 , 40, 740-743	54
300	Silsesquioxane chemistry. 2001 , 625, 1-6	16
299	Octasilsesquioxane Chemistry I. Attachment of Four Surface Bridges to Octasilsesquioxane Quasi-cube Framework. 2002 , 49, 943-947	2
298	Synthesis and Characterization of Microporous FeSi ₂ O ₇ Materials with Tailored Iron Content from Silsesquioxane Precursors. 2002 , 106, 2203-2209	58
297	Oligosilsesquioxanes as versatile building blocks for the preparation of self-assembled thin films. 2002 , 124, 8172-80	57

296	Exploring the Mechanism for the Synthesis of Silsesquioxanes. 3. The Effect of Substituents and Water. 2002 , 106, 11347-11353	38
295	Incompletely condensed silsesquioxanes: versatile tools in developing silica-supported olefin polymerization catalysts. 2002 , 102, 3525-42	301
294	Synthesis and characterization of an isocyanate functionalized polyhedral oligosilsesquioxane and the subsequent formation of an organic-inorganic hybrid polyurethane. 2002 , 124, 13998-9	155
293	Synthesis and characterisation of microporous bimetallic Fe ₂ TrBiD materials derived from silsesquioxane precursors. 2002 , 12, 3792-3798	19
292	Structure and Interaction of Organic/Inorganic Hybrid Nanocomposites for Microelectronic Applications. 1. MSSQ/P(MMA-co-DMAEMA) Nanocomposites. 2002 , 14, 3676-3685	80
291	Silsesquioxane Chemistry. IX [1] Synthesis and Characterization of the First Amino- and Iminosilsesquioxanes. 2002 , 628, 2109-2112	7
290	Self-assembly of synthetic zinc chlorins in a silicate micelle prepared by sol-gel process. 2002 , 12, 1229-31	12
289	High-speed experimentation techniques applied to the study of the synthesis of zeolites and silsesquioxanes. 2002 , 182-183, 319-325	18
288	Silsesquioxane chemistry.: Part 10. Silsesquioxane silanolate complexes of samarium and scandium. 2002 , 647, 245-249	31
287	New Fe(III) and Os(VI) silsesquioxanes. 2003 , 345, 255-260	20
286	Silsesquioxane chemistry. 13. Synthesis and structural characterization of a dimeric indasilsesquioxane stabilized by intramolecular hydrogen bonding. 2003 , 6, 795-798	5
285	Properties of epoxy networks derived from the reaction of diglycidyl ether of bisphenol A with polyhedral oligomeric silsesquioxanes bearing OH-functionalized organic substituents. 2003 , 41, 1451-1461	101
284	Silsesquioxane Chemistry. 12 [1] Preparation and Complexation of a Novel Silsesquioxanyl Phosphine Ligand. 2003 , 629, 353-356	8
283	Epoxy Networks Containing Large Mass Fractions of a Monofunctional Polyhedral Oligomeric Silsesquioxane (POSS). 2003 , 36, 3128-3135	188
282	Ab Initio Study of the Catalytic Reactivity of Titanosilsesquioxanes and Titanosiloxanes. 2003 , 107, 8756-8762	14
281	Mechanistic Study of Silsesquioxane Synthesis by Mass Spectrometry and in Situ ATR FT-IR Spectroscopy. 2003 , 107, 8885-8892	16
280	Theoretical Studies of Monosubstituted and Higher Phenyl-Substituted Octahydrosilsesquioxanes. 2003 , 107, 13788-13792	39
279	Porous Organosilicates for On-Chip Applications: Dielectric Generational Extendibility by the Introduction of Porosity. 2003 , 167-202	3

278	HIGH-SPEED EXPERIMENTATION TECHNIQUES APPLIED TO THE SYNTHESIS OF TITANIUM SILSESQUIOXANE EPOXIDATION CATALYSTS. 2004 , 191, 68-74	3
277	Silyl-functionalized Silsesquioxanes: New Building Blocks for Larger Si-O-Assemblies, including the First Si-Si-Bonded Silsesquioxanes. 2004 , 630, 1982-1986	10
276	Organic/inorganic hybrid material. I. Synthesis, characterization, and thermal property of a novel polyhedral cubic silsesquioxane. 2004 , 93, 907-910	12
275	Alkali-Metal-Directed Hydrolytic Condensation of Trifunctional Phenylalkoxysilanes. 2004 , 2004, 1253-1261	46
274	Thermolysis of octa (hydridodimethylsiloxy) octasilsesquioxane in pyridine media and subsequent toluidine blue O adsorption. 2004 , 235, 449-459	25
273	Blends of Amphiphilic PDMS and Trisilanolisobutyl-POSS at the Air/Water Interface. 2004 , 37, 4900-4908	28
272	Recent developments in the synthesis and structure of organosilanols. 2004 , 104, 5847-910	255
271	Octasilsesquioxane Chemistry II. Hydrosilylation Reaction of Octa(hydrido)silsesquioxane with Unsaturated Substrates and Product Properties. 2004 , 51, 175-182	9
270	Synthesis and preliminary characterization of octakis (chloropropyl dimethylsiloxy) octasilsesquioxane. 2004 , 7, 499-504	14
269	Organosilicon Compounds for Industrial Applications - Part 3. 770-857	
268	Synthesis of amino-containing oligophenylsilsesquioxanes. 2005 , 46, 4514-4524	44
267	Structural and electrical studies of a sol-gel derived nanocomposite ionic liquid based on positively charged polysilsesquioxane and iodide. 2005 , 7, 692-696	14
266	Review Synthesis and characterization of cage octa(cyclohexylsilsesquioxane). 2005 , 40, 4721-4726	25
265	Hydrolysis and Solvolysis of Methyltriethoxysilane Catalyzed with HCl or Trifluoroacetic Acid: IR Spectroscopic and Surface Energy Studies. 2005 , 34, 251-265	73
264	Novel polysilsesquioxane-I-/I3- ionic electrolyte for dye-sensitized photoelectrochemical cells. 2005 , 109, 14387-95	47
263	Robust Polyaromatic Octasilsesquioxanes from Polybromophenylsilsesquioxanes, BrxOPS, via Suzuki Coupling. 2005 , 38, 4661-4665	56
262	A New Route to Monolithic Methylsilsesquioxanes: Gelation Behavior of Methyltrimethoxysilane and Morphology of Resulting Methylsilsesquioxanes under One-Step and Two-Step Processing. 2005 , 17, 2807-2816	100
261	Exploring the mechanism for the synthesis of silsesquioxanes. 4. The synthesis of T8. 2005 , 109, 5424-9	29

- 260 Reduced shrinkage of sol-gel derived silicas using sugar-based silsesquioxane precursors. **2005**, 15, 3132 28
- 259 Organic-Inorganic Poly(Methyl Methacrylate) Hybrids with Confined Polyhedral Oligosilsesquioxane Macromonomers. **2005**, 17, 1027-1035 33
- 258 Spherical, Polyfunctional Molecules Using Poly(bromophenylsilsesquioxane)s as Nanoconstruction Sites. **2005**, 38, 4655-4660 64
- 257 Cages, baskets, ladders, and tubes: conformational studies of polyhedral oligomeric silsesquioxanes. **2005**, 109, 8371-8 36
- 256 Infrared attenuated total reflection spectroscopy studies of aprotic condensation of (EtO)₃SiRSi(OEt)₃ and RSi(OEt)₃ systems with carboxylic acids. **2005**, 351, 530-549 29
- 255 Nanobuilding blocks based on the [OSiO_{1.5}]_x (x = 6, 8, 10) octasilsesquioxanes. **2005**, 15, 3725 369
- 254 Metallasilsesquioxanes. **2005**, 53, 101-153 71
- 253 Blends of amphiphilic poly(dimethylsiloxane) and nonamphiphilic octaisobutyl-POSS at the air/water interface. **2005**, 21, 2250-9 37
- 252 Modified procedure for improved synthesis of some octameric silsesquioxanes via hydrolytic polycondensation in the presence of Amberlite ion-exchange resins. **2006**, 3668-71 19
- 251 Macroporous Monolithic Methylsilsesquioxanes Prepared by a Two-Step Acid/Acid Processing Method. **2006**, 18, 4176-4182 41
- 250 Positively charged polysilsesquioxane/iodide ionic liquid as a quasi solid-state redox electrolyte for dye-sensitized photo electrochemical cells: Infrared, ²⁹SiNMR, and electrical studies. **2006**, 2006, 1-8 9
- 249 Preparation of Polysilsesquioxane (CH₃SiO_{1.5})₈ Crystals from Swollen PHEMA. **2006**, 35, 278-279 5
- 248 Silicon: Inorganic Chemistry. **2006**, 36, 1-10 10
- 247 Polypropylene metal functionalised POSS nanocomposites: A study by thermogravimetric analysis. **2006**, 91, 1064-1070 96
- 246 The synthesis and characterization of polystyrene/magnetic polyhedral oligomeric silsesquioxane (POSS) nanocomposites. **2006**, 47, 3049-3056 62
- 245 Star-shaped poly(ε-caprolactone) with polyhedral oligomeric silsesquioxane core. **2006**, 47, 6814-6825 103
- 244 Polarizability effect in silatranes and related compounds. **2006**, 691, 159-164 26
- 243 Polyhedral oligomeric silsesquioxanes (POSS) thermal degradation. **2006**, 440, 36-42 303

242	Bromination of octaphenylsilsesquioxane. 2006 , 3, 43-49	12
241	Molecular simulation and theoretical modeling of polyhedral oligomeric silsesquioxanes. 2007 , 105, 261-272	14
240	Effects of Phenyltriethoxysilane Concentration in Starting Solutions on Thermal Properties of Polyphenylsilsesquioxane Particles Prepared by a Two-Step Acid-Base Catalyzed Sol-Gel Process. 2007 , 115, 131-135	9
239	Higher Polyhedral Silsesquioxane (POSS) Cage by Amine-catalyzed Condensation of Silanols and Related Siloxanes. 2007 , 36, 792-793	18
238	Reactivity of (p-MeOC ₆ H ₄) ₂ TeO toward t-Bu ₂ Si(OH) ₂ . Synthesis of a 12-Membered Tellurasiloxane Ring, cyclo-[(p-MeOC ₆ H ₄) ₂ TeOSi(t-Bu) ₂ O] ₃ . 2007 , 26, 3601-3603	11
237	Silsesquioxane Barrier Materials. 2007 , 40, 555-562	71
236	Self-Assembly of a Bridged Silsesquioxane Containing a Pendant Hydrophobic Chain in the Organic Bridge. 2007 , 40, 1435-1443	36
235	Synthesis, Characterization, and Surface Morphology of Pendant Polyhedral Oligomeric Silsesquioxane Perfluorocyclobutyl Aryl Ether Copolymers. 2007 , 40, 9517-9522	58
234	An efficient hybrid, nanostructured, epoxidation catalyst: titanium silsesquioxane-polystyrene copolymer supported on SBA-15. 2007 , 13, 1210-21	48
233	Synthesis and characterization of cage octa(aminopropylsilsesquioxane). 2007 , 103, 2608-2614	93
232	Hydrogen-bond acidic polyhedral oligosilsesquioxane filled polymer coatings for surface acoustic wave sensors. 2007 , 104, 3171-3182	27
231	Dielectric properties of thermosetting material nanocomposites. 2007 , 106, 205-213	10
230	Self-Lubricating Nano-Ball-Bearings. 2007 , 19, 82-86	29
229	Functionalization of Vinylspherosilicates by Ruthenium-Catalyzed Silylative Coupling Reactions. 2007 , 2007, 2975-2980	32
228	Preparation, characterization and application of a nanostructured composite: Octakis(cyanopropyldimethylsiloxy)octasilsesquioxane. 2007 , 253, 3683-3689	33
227	Thermo-oxygen degradation mechanisms of POSS/epoxy nanocomposites. 2007 , 92, 1986-1993	100
226	Polymeric nanocomposites containing polyhedral oligomeric silsesquioxanes prepared via frontal polymerization. 2007 , 45, 4514-4521	47
225	Completely discontinuous organic/ inorganic hybrid nanocomposites by self-curing of nanobuilding blocks constructed from reactions of [HMe ₂ SiOSiO _{1.5}] ₈ with vinylcyclohexene. 2007 , 56, 1378-1391	25

224	Encapsulation of titanium (IV) silsesquioxane into the NH ₄ USY zeolite: Preparation, characterization and application. 2007 , 42, 1811-1822	13
223	Lamellar hybrid from octa(β-chloroaminopropyl) polyhedral oligomeric silsesquioxanes and anionic surfactant by ion-exchange reaction. 2007 , 61, 1077-1081	13
222	Thermoplastic and thermosetting properties of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. 2007 , 41, 217-222	29
221	Synthesis, structure, and properties of sodium cis-tetraethylcyclotetrasiloxanolate and new mesomorphic cis-tetra[ethyl(trimethylsiloxy)]cyclotetrasiloxane. 2007 , 56, 77-82	9
220	Ab initio molecular orbital study of the insertion of H ₂ into POSS compounds. 2008 , 120, 155-166	14
219	Synthesis and self-assembly of tadpole-shaped organic/inorganic hybrid poly(N-isopropylacrylamide) containing polyhedral oligomeric silsesquioxane via RAFT polymerization. 2008 , 46, 7049-7061	74
218	[[Cy ₈ Si ₈ O ₁₃] ₂ Ca(DME)Ca(THF) ₂] The First Metallasilsesquioxane Derivative of a Heavier Alkaline Earth Metal. 2008 , 634, 441-444	6
217	The First Heterobimetallic Metallasilsesquioxane Derivatives of Manganese. 2008 , 634, 2819-2824	14
216	Properties of POSS-filled polypropylene: Comparison of physical blending and reactive blending. 2008 , 110, 3745-3751	34
215	Effect of LiClO ₄ on the thermal and morphological properties of organic/inorganic polymer hybrids. 2008 , 49, 3625-3628	15
214	Synthesis and characterization of amorphous octakis-functionalized polyhedral oligomeric silsesquioxanes for polymer nanocomposites. 2008 , 49, 4017-4024	79
213	Organically modified silica: synthesis and applications due to its surface interaction with organic molecules. 2008 , 140, 77-94	86
212	Preparation of a TiMEMO nanocomposite by the sol-gel method and its application in coloured thickness insensitive spectrally selective (TISS) coatings. 2008 , 92, 1149-1161	20
211	Nanodisperse systems as transient state upon the formation of crystalline organometalsiloxanes. 2008 , 70, 407-415	1
210	Synthesis of linear poly(sodiumoxy)methylsilsesquioxanes and their functional and nonfunctional derivatives. 2008 , 419, 69-73	7
209	Structural studies of sol-gel urea/polydimethylsiloxane barrier coatings and improvement of their corrosion inhibition by addition of various alkoxysilanes. 2008 , 63, 123-132	30
208	One- and Two-Photon Fluorescent Polyhedral Oligosilsesquioxane (POSS) Nanosensor Arrays for the Remote Detection of Analytes in Clouds, in Solution, and on Surfaces. 2008 , 20, 2829-2838	27
207	Preparation and Characterization of Surface-Functionalized Polysilsesquioxane Hard Spheres in Aqueous Medium. 2008 , 41, 6195-6204	71

206	Fully Condensed Polyhedral Oligosilsesquioxanes (POSS): From Synthesis to Application. 2008 , 57, 1-116	188
205	Preparation of Ultrathin Silsesquioxane Nanofilms via Polymer Langmuir-Blodgett Films. 2008 , 20, 4310-4316	56
204	New, Effective Method of Synthesis and Structural Characterization of Octakis(3-chloropropyl)octasilsesquioxane. 2008 , 27, 793-794	68
203	Glass transition and thermal softening of poly(phenylsilsesquioxane) particles prepared using two-step acid-base catalyzed sol-gel process. 2008 , 354, 700-704	4
202	para-Octaiodophenylsilsesquioxane, [p-IC ₆ H ₄ SiO(1.5)] ₈ , a nearly perfect nano-building block. 2008 , 2, 320-6	111
201	Structural Investigation of Encapsulated Fluoride in Polyhedral Oligomeric Silsesquioxane Cages Using Ion Mobility Mass Spectrometry and Molecular Mechanics. 2008 , 20, 4299-4309	72
200	Octaalkynylsilsesquioxanes, Nano Sea Urchin Molecular Building Blocks for 3-D-Nanostructures. 2008 , 41, 8047-8052	27
199	Ab initio molecular orbital study on the Ge-, Sn-, Zr- and Si/Ge-mixed silsesquioxanes. 2008 , 112, 4836-43	13
198	Molecules with Perfect Cubic Symmetry as Nanobuilding Blocks for 3-D Assemblies. Elaboration of Octavinylsilsesquioxane. Unusual Luminescence Shifts May Indicate Extended Conjugation Involving the Silsesquioxane Core. 2008 , 20, 5563-5573	111
197	Synthesis of polyhedral phenylsilsesquioxanes with KF as the source of the fluoride ion. 2008 , 5072-5	19
196	Miscibility and hydrogen-bonding behavior in organic/inorganic polymer hybrids containing octaphenol polyhedral oligomeric silsesquioxane. 2008 , 112, 10821-9	40
195	Cyclic Polychalcogenide Compounds with Silicon. 2009 ,	
194	Fluoride catalyzed rearrangements of polysilsesquioxanes, mixed Me, vinyl T8, Me, vinyl T10 and T12 cages. 2009 , 24, 551-557	25
193	Organic-inorganic hybrid brushes consisting of macrocyclic oligomeric silsesquioxane and poly(ϵ -caprolactone): Synthesis, characterization, and supramolecular inclusion complexation with β -cyclodextrin. 2009 , 47, 6894-6907	11
192	Corrosion protection of Sunselect, a spectrally selective solar absorber coating, by (3-mercaptopropyl)trimethoxysilane. 2009 , 93, 1733-1742	33
191	POSS grafting on PPgMA by one-step reactive blending. 2009 , 50, 218-226	78
190	Hydrolytic polycondensation of sodiumoxymethyl(dialkoxy)silanes as a method for producing linear poly[(sodiumoxy)methylsilsesquioxane]. 2009 , 51, 457-464	11
189	New Monofunctional POSS and Its Utilization as Dewetting Additive in Methacrylate Based Free-Standing Films. 2009 , 21, 4163-4171	26

188	Preparation, Characterization, and Properties of Novel PSMA/POSS Systems by Reactive Blending. 2009 , 42, 6614-6623	84
187	Organo-Silica Sol-Gel Materials. 2009 ,	1
186	Epoxy-silica/silsesquioxane Polymer Nanocomposites. 2009 , 1-84	3
185	Ab initio molecular orbital study of the insertion of H ₂ into POSS compounds 2: the substituent effect and larger cages. 2009 , 113, 12311-21	13
184	Structural properties and antibacterial effects of hydrophobic and oleophobic sol-gel coatings for cotton fabrics. 2009 , 25, 5869-80	170
183	Synthesis of Organic/Inorganic Hybrid Gels from Siloxane or Silsesquioxane and Nonconjugated Dienes by Means of a Photo Hydrosilylation Reaction. 2009 , 42, 3454-3462	26
182	Formation and hydrogen bonding of a novel POSS-trisilanol. 2009 , 163-7	38
181	Superhydrophobic electrospun POSS-PMMA copolymer fibres with highly ordered nanofibrillar and surface structures. 2009 , 6418-20	78
180	ESI and MALDI mass spectrometry of large POSS oligomers. 2010 , 292, 38-47	16
179	A novel nanostructured composite formed by interaction of copper octa(3-aminopropyl)octasilsesquioxane with azide ligands: Preparation, characterization and a voltammetric application. 2010 , 45, 1263-1270	14
178	Synthesis of silica-pillared layered lanthanum titanate with high thermal stability. 2010 , 14, 186-189	
177	Coupling of Silsesquioxane Cages in the Coordination Sphere of Erbium. 2010 , 2010, 2605-2608	14
176	Octakis(3-azidopropyl)octasilsesquioxane: a versatile nanobuilding block for the efficient preparation of highly functionalized cube-octameric polyhedral oligosilsesquioxane frameworks through click assembly. 2010 , 16, 3833-41	61
175	Polyhedral oligomeric silsesquioxane-bound iminofullerene. 2010 , 24, 184-188	18
174	Electrospinning: A Novel Method to Incorporate POSS Into a Polymer Matrix. 2010 , 295, 791-795	37
173	Intermolecular interaction of supramolecular organic/inorganic hybrid composites of sulfonated polystyrene and oligomeric silsesquioxane possessing pyridyl groups. 2010 , 51, 5764-5770	4
172	A structural and corrosion study of triethoxysilyl and perfluorooctyl functionalized polyhedral silsesquioxane nanocomposite films on AA 2024 alloy. 2010 , 518, 2710-2721	28
171	Synthesis, functionalization and properties of incompletely condensed half cube silsesquioxanes as a potential route to nanoscale Janus particles. 2010 , 13, 270-281	39

170	Polypropylene/polysilsesquioxane blends. 2010 , 46, 14-23	103
169	Disiloxanediolates and Metallasilsesquioxanes of the Rare Earth Elements 2010 , 636, 2172-2191	21
168	Synthesis and photophysical properties of stilbeneoctasilsesquioxanes. Emission behavior coupled with theoretical modeling studies suggest a 3-D excited state involving the silica core. 2010 , 132, 3708-22	67
167	Bifunctionalized hybrid silica spheres by hydrolytic cocondensation of 3-aminopropyltriethoxysilane and vinyltriethoxysilane. 2010 , 26, 730-5	36
166	Synthesis and Properties of Non-functional Cubic Silsesquioxane Macromonomers. 2010 , 13, 73-85	
165	Fluoride rearrangement reactions of polyphenyl- and polyvinylsilsesquioxanes as a facile route to mixed functional phenyl, vinyl T10 and T12 silsesquioxanes. 2010 , 132, 3723-36	84
164	POSS-based hybrids by melt/reactive blending. 2010 , 20, 9297	118
163	Towards click bioconjugations on cube-octameric silsesquioxane scaffolds. 2010 , 8, 2212-8	46
162	Low dielectric constant materials. 2010 , 110, 56-110	610
161	Nano building blocks via iodination of $[\text{PhSiO}_{1.5}]_n$, forming $[\text{p-I-C}_6\text{H}_4\text{SiO}_{1.5}]_n$ ($n = 8, 10, 12$), and a new route to high-surface-area, thermally stable, microporous materials via thermal elimination of I ₂ . 2010 , 132, 10171-83	98
160	Organic-inorganic poly(hydroxyether of bisphenol A) copolymers with double-decker silsesquioxane in the main chains. 2011 , 21, 19344	56
159	Symmetrical thiol functionalized polyhedral oligomeric silsesquioxanes as building blocks for LB films. 2011 , 7, 8862	20
158	Polyhedral Phenylsilsesquioxanes. 2011 , 44, 1073-1109	195
157	Ab initio molecular dynamics study of H ₂ formation inside POSS compounds. 2011 , 115, 2679-91	12
156	Sol-Gel Derived Hybrid Thin Films: The Chemistry behind Processing. 2011 , 23, 5082-5089	17
155	Polybenzoxazine-POSS Nanocomposites. 2011 , 517-540	
154	Beads on a Chain (BOC) Polymers Formed from the Reaction of $\text{NH}_2\text{PhSiO}_{1.5}[\text{PhSiO}_{1.5}]_{10}$ and $[\text{NH}_2\text{PhSiO}_{1.5}]\text{x}[\text{PhSiO}_{1.5}]_{12}$ Mixtures ($x = 2$) with the Diglycidyl Ether of Bisphenol A. 2011 , 44, 7263-7272	40
153	POSS vapor phase grafting: a novel method to modify polymer films. 2011 , 21, 18049	25

152	Polyhedral Oligomeric Silsesquioxanes: From Early and Strategic Development through to Materials Application. 2011 , 1-46	22
151	Influence of amino functionalised POSS additive on the corrosion properties of (3-glycidoxypropyl)trimethoxysilane coatings on AA 2024 alloy. 2011 , 72, 334-342	12
150	POSS related polymer nanocomposites. 2011 , 36, 1649-1696	793
149	Nanostructures and surface hydrophobicity of epoxy thermosets containing hepta(3,3,3-trifluoropropyl) polyhedral oligomeric silsesquioxane-capped poly(hydroxyether of bisphenol A) telechelics. 2011 , 363, 250-60	15
148	Polyvinyl- and polyphenylsilsesquioxanes and their films: an investigation by X-ray diffractometry, positron diagnostics, and ²⁹ Si NMR spectroscopy. 2011 , 60, 1640-1646	9
147	Synthesis and characterization of low-refractive-index fluorinated silsesquioxane-based hybrids. 2011 , 52, 5452-5463	27
146	Synthesis of core-shell particles by batch emulsion polymerization of styrene and octavinyl polyhedral oligomeric silsesquioxane. 2011 , 18, 13-17	23
145	Influence of polyhedral oligomeric silsesquioxanes on thermal and mechanical properties of polycarbonate/POSS hybrid composites. 2011 , 32, 1343-1351	10
144	Thermal, crystalline, and mechanical properties of octa(3-chloropropylsilsesquioxane)/ poly(L-lactic acid) hybrid films. 2011 , 122, 296-303	22
143	Click assembly of dye-functionalized octasilsesquioxanes for highly efficient and photostable photonic systems. 2011 , 17, 13258-68	24
142	Silicon: Inorganic Chemistry. 2011 ,	1
141	Substituents Effects on the Properties of Polyhedral Oligomeric Silsesquioxanes(POSS)/Poly(L-lactic acid) Hybrid Films. 2012 , 49, 73-80	4
140	Film-forming amphiphilic silsesquioxane hybrids prepared by hydrolytic co-condensation of hydroxyl-functionalized and fluorinated triethoxysilanes. 2012 , 53, 3849-3860	15
139	Deposition of amino-functionalized polyhedral oligomeric silsesquioxanes on graphene oxide sheets immobilized onto an amino-silane modified silicon surface. 2012 , 22, 6213	71
138	Ab initio calculation of the electronic absorption of functionalized octahedral silsesquioxanes via time-dependent density functional theory with range-separated hybrid functionals. 2012 , 116, 1137-45	44
137	3-D Molecular Mixtures of Catalytically Functionalized [vinylSiO _{1.5}] ₁₀ /[vinylSiO _{1.5}] ₁₂ . Photophysical Characterization of Second Generation Derivatives. 2012 , 24, 1883-1895	39
136	Cubic Octasilsesquioxanes, Cyclotetrasiloxanes, and Disiloxanes Maximally Functionalized with Silicon-Bridged Interacting Triferrocenyl Units. 2012 , 31, 3248-3258	19
135	Structural studies of octahydrodoctasilsesquioxane [H ₈ Si ₈ O ₁₂ . 2012 , 1028, 68-72	9

134	Kinetic study on solid state thermal degradation of epoxy nanocomposite containing Octasilane polyhedral oligomeric silsesquioxane. 2012 , 358, 1656-1666	7
133	Surface morphology and dewettability of self-organized thermosets involving epoxy and POSS-capped poly(ethylene oxide) telechelics. 2012 , 136, 744-754	18
132	Synthesis of Aromatic Polyhedral Oligomeric Silsesquioxane (POSS) Dianilines for Use in High-Temperature Polyimides. 2012 , 4, 267-280	16
131	Synthesis and characterization of cationic silsesquioxane hybrids by hydrolytic condensation of triethoxysilane derived from 2-(dimethylamino)ethyl acrylate. 2012 , 290, 1879-1891	11
130	Sequential Click Approach to Polyhedral Oligomeric Silsesquioxane-Based Shape Amphiphiles. 2012 , 45, 8126-8134	81
129	Design and Synthesis of Functional Silsesquioxane-Based Hybrids by Hydrolytic Condensation of Bulky Triethoxysilanes. 2012 , 2012, 1-17	11
128	A Theoretical Study of the Insertion of Atoms and Ions into Titanosilsequioxane (Ti-POSS) in Comparison with POSS. 2012 , 2012, 1-14	3
127	Characterization and Some Insights into the Reaction Chemistry of Polymethylsilsesquioxane or Methyl Silicone Resins. 2012 , 2012, 1-17	11
126	Preparation and properties of polycarbonate/polyhedral oligomeric silsesquioxanes (POSS) hybrid composites. 2012 , 23, 765-775	17
125	Structure-related behavior of hybrid organic/organic materials prepared in different synthesis conditions from Zr-based NBBs and 3-methacryloxypropyl trimethoxysilane. 2012 , 125, 1713-1723	10
124	Synthesis and characterization of heptaphenyl polyhedral oligomeric silsesquioxane-capped poly(N-isopropylacrylamide)s. 2012 , 48, 945-955	23
123	Ferrocene adsorbed into the porous octakis(hydridodimethylsiloxy)silsesquioxane after thermolysis in tetrahydrofuran media: An applied surface for ascorbic acid determination. 2012 , 47, 1028-1033 ⁵	5
122	Thermal degradation of differently substituted Cyclopentyl Polyhedral Oligomeric Silsesquioxane (CP-POSS) nanoparticles. 2012 , 107, 1083-1091	50
121	Analyzing structure-photophysical property relationships for isolated T8, T10, and T12 stilbenevinylsilsesquioxanes. 2013 , 135, 12259-69	79
120	Organic/organic copolymers with double-decker silsesquioxane in the main chains by polymerization via click chemistry. 2013 , 51, 4221-4232	30
119	Silsesquioxanes and Their Use as Precursors for Catalysts and as Model Compounds. 2013 , 385-422	5
118	Anionic synthesis of a clickable middle-chain azidefunctionalized polystyrene and its application in shape amphiphiles. 2013 , 31, 71-82	18
117	Synthesis of PS-g-POSS hybrid graft copolymer by click coupling via graft onto strategy. 2013 , 129, 1833-1844	13

116	Sulfur-containing silsesquioxane hybrids with high refractive index and high Abbe number. 2013 , 291, 1085-1094	7
115	Synthesis and structure characterization of low dielectric constant MSQ films by using octamethyl cyclotetrasiloxane (D4) as a porosity promotion agent. 2013 , 96, 59-62	1
114	Silsesquioxanes. 2013 , 1-28	10
113	Novel hybrid copolymer by incorporating POSS into hard segments of thermoplastic elastomer SEBS via click coupling reaction. 2013 , 54, 2658-2667	24
112	Organic/inorganic polyurethanes with 3,13-dihydroxypropyloctaphenyl double-decker silsesquioxane chain extender. 2013 , 4, 1491-1501	64
111	Synthesis of acetoxypheyl- and hydroxyphenyl-terminated polyfunctional T8, T10, T12 silsesquioxanes and initial studies on their use in the formation of highly crosslinked polyesters. 2013 , 27, n/a-n/a	4
110	Exploring shape amphiphiles beyond giant surfactants: molecular design and click synthesis. 2013 , 4, 1056-1067	51
109	Beads on a Chain (BoC) Phenylsilsesquioxane (SQ) Polymers via Pd-Catalyzed Rearrangements and ADMET or Reverse Heck Cross-coupling Reactions: Through Chain, Extended Conjugation in 3-D with Potential for Dendronization. 2013 , 46, 7591-7604	33
108	Effects of chemical structure and chain end groups on the thermal stability of new silsesquioxanes with methacrylate and/or vinyl units. 2013 , 139, 719-733	7
107	Transparent fiber glass reinforced composites. 2013 , 77, 95-100	25
106	Preparation and thermal degradation behavior of room temperature vulcanized silicone rubber-g-polyhedral oligomeric silsesquioxanes. 2013 , 54, 6140-6149	54
105	Architecture, self-assembly and properties of well-defined hybrid polymers based on polyhedral oligomeric silsesquioxane (POSS). 2013 , 38, 1121-1162	300
104	Precursor-Derived Ceramics. 2013 , 1025-1101	14
103	N-heterocyclic carbenes--catalysts for the preparation of polyhedral silsesquioxanes. 2013 , 42, 9432-6	6
102	Polysiloxane/POSS systems as precursors to SiCO ceramics. 2013 , 73, 779-788	15
101	Polylactide (PLA)-based nanocomposites. 2013 , 38, 1504-1542	801
100	Synthesis, structural characterization and properties of a cubic octa-n-propylsilsesquioxane inorganic/organic hybrid material. 2013 , 1032, 29-34	8
99	Organic/inorganic hybrid diblock copolymer composed of poly(ϵ -caprolactone) and poly(MA POSS): Synthesis and its nanocomposites with epoxy resin. 2013 , 51, 2079-2090	20

98	Beads on a Chain (BoC) Polymers with Model Dendronized Beads. Copolymerization of [(4-NH ₂ C ₆ H ₄ SiO _{1.5}) ₆ (IPhSiO _{1.5}) ₂] and [(4-CH ₃ OC ₆ H ₄ SiO _{1.5}) ₆ (IPhSiO _{1.5}) ₂] with 1,4-Diethynylbenzene (DEB) Gives Through-Chain, Extended 3-D Conjugation in the Excited State That Is an Average of the Corresponding Homopolymers. 2013 , 46, 7580-7590	19
97	Determination of Copper in Different Ethanolic Matrices Using a Chloropropyl Silica Gel Modified with a Nanostructured Cubic Octa(3-aminopropyl)octasilsesquioxane. 2013 , 2013, 1-11	4
96	Synthesis and characterization of organic/inorganic epoxy nanocomposites from poly(aminopropyl/phenyl)silsesquioxanes. 2013 , 128, 3601-3608	17
95	Preparation, characterization, and properties of poly(aryl ether sulfone) systems with double-decker silsesquioxane in the main chains by reactive blending. 2014 , 52, 780-788	29
94	Encyclopedia of Polymeric Nanomaterials. 2014 , 1-8	2
93	The polyoctahedral silsesquioxane (POSS) 1,3,5,7,9,11,13,15-octaphenylpentacyclo[9.5.1.1(3,9).1(5,15).1(7,13)]octasiloxane (octaphenyl-POSS). 2014 , 70, 971-4	3
92	Effects of heat treatment on various properties of organic/inorganic hybrid silica derived from phenyltriethoxysilane. 2014 , 144, 132-138	5
91	Influences of polyhedral oligomeric silsesquioxanes (POSSs) containing different functional groups on crystallization and melting behaviors of POSS/polydimethylsiloxane rubber composites. 2014 , 4, 41364-41370	18
90	Organosilicon Compounds as Polymer Fire Retardants. 2014 , 389-418	6
89	Influence of hydrophobic characteristic of organo-modified precursor on wettability of silica film. 2014 , 37, 107-115	14
88	A quantum chemical study of the structure of dodecasilsesquioxane H ₁₂ Si ₁₂ O ₁₈ . 2014 , 55, 23-29	1
87	The design and synthesis of an innovative octacarboxy-silsesquioxane building block. 2014 , 50, 11008-11	5
86	Polyhedral Oligomeric Silsesquioxanes (Poss) Bioconjugates. 2014 , 344-354	1
85	An Overview of Nanomaterials. 22-108	3
84	Facile thiol-ene reactions of vinyl T10/T12 silsesquioxanes for controlled refractive indices for transparent fiber glass reinforced composites. 2015 , 123, 725-731	4
83	Epoxy Elastomers Modified with Silsesquioxane. 2015 , 358, 28-34	
82	Tissue engineering. 2015 , 62-76	
81	Synthesis, Characterization, and Properties of POSS-Epoxy. 2015 , 1096, 199-203	2

- 80 Fluoroalkylation of Silsesquioxanes-Modified Polysiloxane and Its Surface Property. **2015**, 25, 975-981 3
- 79 Functionalized Polysilsesquioxane-Based Hybrid Silica Solid Amine Sorbents for the Regenerative Removal of CO₂ from Air. **2015**, 7, 17969-76 19
- 78 Synthesis and Characterization of Nanobuilding Blocks [o-RStyrPhSiO_{1.5}]_{10,12} (R = Me, MeO, NBoc, and CN). Unexpected Photophysical Properties Arising from Apparent Asymmetric Cage Functionalization as Supported by Modeling Studies. **2015**, 119, 15846-15858 10
- 77 Structural investigation of ormolytes for EC devices: IR spectroscopic characterization and relation between viscoelastic properties, conductivity and optical modulation. **2015**, 139, 51-64 3
- 76 A stereoregular macrocyclic oligomeric silsesquioxane bearing epoxide groups: synthesis and its nanocomposites with polybenzoxazine. **2015**, 5, 77274-77287 8
- 75 Improved space survivability of polyhedral oligomeric silsesquioxane (POSS) polyimides fabricated via novel POSS-diamine. **2015**, 90, 223-238 76
- 74 Hexa(organylsilsesquioxanes). **2016**, 65, 1034-1038 2
- 73 Platelet-adhesion behavior synchronized with surface rearrangement in a film of poly(methyl methacrylate) terminated with elemental blocks. **2016**, 48, 413-419 13
- 72 Hydrolysis-condensation reactions of diethylphosphato-ethyltriethoxysilane involved in organic/inorganic talc-like hybrid synthesis: liquid and solid-state NMR investigations. **2016**, 6, 75715-75723 5
- 71 Differently-catalyzed silica-based precursors as functional additives for the epoxy-based hybrid materials. **2016**, 99, 434-446 6
- 70 Rheology and Processing of Polymer/POSS Nanocomposites. **2016**, 293-327
- 69 Ionic borohydride clusters for the next generation of boron thin-films: Nano-building blocks for electrochemical and refractory materials. **2016**, 31, 2736-2748 12
- 68 Redox-Active Metallacarborane-Decorated Octasilsesquioxanes. Electrochemical and Thermal Properties. **2016**, 55, 11630-11634 31
- 67 Poly(n-alkylsilsesquioxane) liquids prepared by cosolvent-free hydrolytic polycondensation of n-alkyltrialkoxysilanes: effects of liquid-liquid phase separation during aging and alkyl chain length on structure and viscosity. **2016**, 45, 15532-15540 4
- 66 Ab initio Molecular Dynamics Study of H Formation inside POSS Compounds. 2. The Effect of an Encapsulated Hydrogen Molecule. **2016**, 120, 8699-8715
- 65 Architecture of Silsesquioxanes. **2016**, 1-34
- 64 Multifunctional POSS Cyclic Carbonates and Non-Isocyanate Polyhydroxyurethane Hybrid Materials. **2016**, 49, 742-751 57
- 63 Synthesis of functionalized silica nanostructure: Unexpected conversion of cyanopropyl group in chloropropyl one during HCl-catalysed hydrolysis of the corresponding triethoxysilane. **2016**, 1110, 150-155 4

62	Synthesis of silanol-rich long-life polysilsesquioxane liquids by cosolvent-free hydrolytic polycondensation of organotrimethoxysilanes followed by aging. 2016 , 45, 3151-7	6
61	D5h [PhSiO1.5]10 synthesis via F(-) catalyzed rearrangement of [PhSiO1.5]n. An experimental/computational analysis of likely reaction pathways. 2016 , 45, 1025-39	31
60	Polybenzoxazine nanocomposites containing 3,13-Diglycidyl double-decker silsesquioxane. 2017 , 38, 827-836	4
59	Physically cross-linked networks of POSS-capped poly(acrylate amide)s: Synthesis, morphologies, and shape memory behavior. 2017 , 55, 587-600	29
58	Durable and Hydrophobic Organic-Inorganic Hybrid Coatings via Fluoride Rearrangement of Phenyl T Silsesquioxane and Siloxanes. 2017 , 9, 8378-8383	17
57	Oxidation of C-H compounds with peroxides catalyzed by polynuclear transition metal complexes in Si- or Ge-sesquioxane frameworks: A review. 2017 , 849-850, 201-218	38
56	Synthesis, characterization and thermal properties of T8 type amido-POSS with p-halophenyl end-group. 2017 , 847, 173-183	10
55	A study of bio-hybrid silsesquioxane/yeast: Biosorption and neuronal toxicity of lead. 2017 , 264, 43-50	7
54	Synthetic application of silicates/silanolates and their hydrolyzed polysilanol siloxanes for polyhedral oligomeric silsesquioxanes (POSSs). 2017 , 28, e21373	3
53	Protective coatings for AA 2024 based on cyclotetrasiloxane and various alkoxy silanes. 2017 , 126, 55-68	9
52	Ice-regenerated flame retardant and robust film of silk fibroin and POSS nano-cages.. 2018 , 8, 9063-9069	1
51	Hydrogen Bonding in POSS Nanocomposites. 2018 , 287-356	
50	Insights on Nanofiller Reinforced Polysiloxane Hybrids. 2018 , 179-200	1
49	A novel polyacrylonitrile-based porous structure gel polymer electrolyte composited by incorporating polyhedral oligomeric silsesquioxane by phase inversion method. 2018 , 22, 1771-1783	10
48	Advances and Properties of Silanol-Based Materials. 2018 , 141-162	2
47	Organic-Inorganic polyurethanes with double decker silsesquioxanes in the main chains: Morphologies, surface hydrophobicity, and shape memory properties. 2018 , 56, 893-906	26
46	Cesium Carbonate-Catalyzed Oxidation of Substituted Phenylsilanes for the Efficient Synthesis of Polyhedral Oligomeric Silsesquioxanes. 2018 , 57, 13477-13485	11
45	Architecture of Silsesquioxanes. 2018 , 3119-3151	3

- 44 Voltammetric Properties of Nickel Hexacyanoferrate (III) Obtained on the Titanium (IV) Silsesquioxane Occluded into the H-FAU Zeolite for Detection of Sulfite. **2019**, 11, 267-276 7
- 43 Reactivity of a Silsesquioxane Organofunctionalized with 4-Amino-5-Phenyl-4H-[1,2,4]-Triazole-3-thiol: Complementary Characterization and an Application to Chronoamperometric Detection of L-Dopamine. **2019**, 11, 1131-1142 7
- 42 Photophysical Properties of Functionalized Double Decker Phenylsilsesquioxane Macromonomers: [PhSiO_{1.5}]₈[OSiMe₂]₂ and [PhSiO_{1.5}]₈[O_{0.5}SiMe₃]₄. Cage-Centered Lowest Unoccupied Molecular Orbitals Form Even When Two Cage Edge Bridges Are Removed, Verified by Modeling and Ultrafast Magnetic Light Scattering Experiments. **2019**, 52, 7413-7422 11
- 41 Organic/Inorganic Linear Segmented Polyurethanes Simultaneously Having Shape Recovery and Self-Healing Properties. **2019**, 1, 3174-3184 16
- 40 Photophysical Properties of Partially Functionalized Phenylsilsesquioxane: [RSiO_{1.5}]₇[Me/nPrSiO_{1.5}] and [RSiO_{1.5}]₇[O_{0.5}SiMe₃]₃ (R = 4-Me/4-CN-Stilbene). Cage-Centered Magnetic Fields Form under Intense Laser Light. **2019**, 52, 4008-4019 11
- 39 Dumbbell-Shaped T8-POSS with Functional Organic Linkers. **2019**, 2019, 3148-3156 1
- 38 Nanocomposite Materials Properties of Aminophenylsilsesquioxanes. **2019**, 121-137
- 37 A design of shape memory networks of poly(ϵ -caprolactone)s via POSS-POSS interactions. **2019**, 30, 713-725 6
- 36 Amphiphilic tadpole-shaped POSS-poly(glycerol methacrylate) hybrid polymers: synthesis and self-assembly. **2019**, 26, 1 7
- 35 Examining the influence of functionalized POSS on the structure and bioactivity of flexible polyurethane foams. **2020**, 108, 110370 15
- 34 Unconventional Conjugation via vinylMeSi(O)₂ Siloxane Bridges May Imbue Semiconducting Properties in [vinyl(Me)SiO(PhSiO_{1.5})₈OSi(Me)vinyl-Ar] Double-Decker Copolymers. **2020**, 2, 3894-3907 9
- 33 Characterization of colloidal particles formed in plastic coating solution at room temperature. **2020**, 17, 1343-1349
- 32 Superhydrophobic Materials Derived from Hybrid Silicon Copolymers. **2020**, 119-143 1
- 31 A Luminescent Polysilsesquioxane Obtained by Self-Condensation of Anionic Polyhedral Oligomeric Silsesquioxanes (POSS) and Europium(III) Ions. **2020**, 85, 176-182 7
- 30 A modified hybrid silsesquioxane/histidine composite for copper and zinc adsorption and its behavior in the electro-oxidation of ascorbic acid. **2020**, 111, 110739 7
- 29 A Comparative Voltammetric Study of a Chemically Modified Octa(3-Aminopropyl)Octasilsesquioxane and DAB-AM-16 Dendrimer Supported on the Silica Gel Surface for Dipyrone Detection. **2021**, 13, 799-811
- 28 Evaluation of Nickel Neurotoxicity and High Sorption through a Hybrid Yeast / Silsesquioxane Material. **2021**, 13, 259-265
- 27 Easy and environmentally friendly synthesis method for T8H (HSiO_{3/2})₈. **2021**, 196, 316-320

26	Polyurethane/polyhedral oligomeric silsesquioxane nanocomposite: trends and perspectives. 2021 , 58, 361-375	
25	The Influence of HCl Concentration on the Rate of the Hydrolysis-Condensation Reaction of Phenyltrichlorosilane and the Yield of (Tetrahydroxy)(Tetraphenyl)Cyclotetrasiloxanes, Synthesis of All Its Geometrical Isomers and Thermal Self-Condensation of Them under "Pseudo"-Equilibrium Conditions. 2021 , 26,	0
24	Grinding the Cubes Multigram Solid-State Synthesis of Silsesquioxane Amic Acids.	
23	Polyhedral oligomeric silsesquioxane (POSS) in polymer blends. 2021 , 177-193	0
22	Silsesquioxanes: Advanced Model Supports in Developing Silica-Immobilized Polymerization Catalysts. 2005 , 57-83	2
21	Polyhedral Oligomeric Silsesquioxane (POSS). 2007 , 577-584	5
20	Functionalised (Poly)silsesquioxanes and Silicon-Containing Dendrimers. 2009 , 215-240	2
19	The Role of Silicon in Dendritic Polymer Chemistry. 2009 , 1-20	2
18	Polyhedral Oligomeric Silsesquioxane Dendrimers. 2009 , 121-139	4
17	Photolumineszenzeigenschaften von substituierten Silsesquioxanen der Zusammensetzung $R_n(\text{SiO}_{1.5})_n$. 1999 , 55-68	1
16	Serial And Parallel Ways To Enhance And Accelerate Catalyst Testing. 2002 , 173-195	1
15	Pillared Clays. 1994 , 747-756	1
14	Organosilicate Oligomers and Nanostructured Materials. 2000 , 667-695	4
13	Polysilsesquioxanes. 2000 , 157-184	13
12	Developments in Silica-Supported Organometallic Catalysis. 1997 , 461-494	5
11	Synthesis of Porous and Crosslinked Layered Phosphates by the Intercalation of Organometallic Precursors. 1993 , 289-302	4
10	Phase-Separated Inorganic-Organic Hybrids for Microelectronic Applications. 1997 , 22, 44-48	32
9	Synthesis, property and application of well-designed hybrid polymer based on polyhedral oligomeric silsesquioxane..	2

- 8 Hydrogen bonding interactions in polymer/polyhedral oligomeric silsesquioxane nanomaterials. **2022**, 29, 4
- 7 Nanocomposites of polyethylene with polyhedral oligomeric silsesquioxane: from thermoplastics to vitrimers through silyl ether metathesis. **2022**, 24, 100759 1
- 6 Synthesis of a New Zn²⁺/Fe³⁺ Octa(aminopropyl)silsesquioxane Complex and Its Voltammetric Behavior Towards N-acetylcysteine.
- 5 Unconventional conjugation in macromonomers and polymers. **2022**, 58, 10596-10618 0
- 4 Further Proof of Unconventional Conjugation via Disiloxane Bonds: Double Decker Sesquioxane [vinylMeSi(O0.5)2(PhSiO1.5)8(O0.5)2SiMevinyl] Derived Alternating Terpolymers Give Excited-State Conjugation Averaging That of the Corresponding Copolymers. **2022**, 55, 8106-8116 0
- 3 Synthesis of C₁₀H₂₉O₁₂Si₈N (POSS T8-NH₂) by corner-capped reaction and kinetics study for thermal process by OFWI and KASI methods. 0
- 2 Silane-Bearing Borasilsesquioxanes Synthetic Protocol and Unsuspected Redistribution Reactions. 0
- 1 Photoinduced healable hybrids based on anthracene-containing silsesquioxane nanoparticles. **2023**, 190, 111991 0