# Francois G Amar

List of Publications by Year
in descending order

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|---|---|---|---|
| 28 papers | 1,232 citations | 430874 18 h-index | 526287 27 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 647 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The onset of nonrigid dynamics and the melting transition in Ar7. Journal of Chemical Physics, 1986, 85, 5943-5954. | 3.0 | 197 |
| 2 | Absolute classical densities of states for very anharmonic systems and applications to the evaporation of rare gas clusters. Journal of Chemical Physics, 1993, 98, 4967-4983. | 3.0 | 149 |
| 3 | Melting and surface tension in microclusters. Journal of Chemical Physics, 1983, 78, 399-408. | 3.0 | 121 |
| 4 | Spectral shifts and structural classes in microsolutions of rare gas clusters containing a molecular chromophore. Journal of Chemical Physics, 1990, 93, 4884-4897. | 3.0 | 95 |
| 5 | Reaction dynamics and the cage effect in microclusters of bromine-argon (Br2Arn). The Journal of Physical Chemistry, 1984, 88, 6720-6727. | 2.9 | 91 |
| 6 | Charge localization in negative ion dynamics: Effect on caging of Brâ¯2 in Arn and (CO2)n clusters. Journal of Chemical Physics, 1989, 90, 7354-7368. | 3.0 | 79 |
| 7 | Mechanism of Hydrodeoxygenation of Acrolein on a Cluster Model of MoO<sub>3</sub>. Journal of Physical Chemistry C, 2010, 114, 13782-13795. | 3.1 | 76 |
| 8 | Paying Attention to Gesture when Students Talk Chemistry: Interactional Resources for Responsive Teaching. Journal of Chemical Education, 2015, 92, 11-22. | 2.3 | 43 |
| 9 | Structure, Dynamics, and Spectroscopy of Anilineâ¯(Argon)n Clusters. 1. Experimental Spectra and Interpretation for n = 1â¯6. Journal of Physical Chemistry A, 1997, 101, 122-138. | 2.5 | 42 |
| 10 | Quantum calculation of vibrational states in the anilineâ€“argon van der Waals cluster. Journal of Chemical Physics, 1993, 98, 2709-2719. | 3.0 | 40 |
| 11 | Correlation diagrams for rigid and nonrigid fourâ€body systems. Journal of Chemical Physics, 1979, 70, 1973-1985. | 3.0 | 38 |
| 12 | Correlation diagrams for rigid and nonrigid threeâ€body systems. Journal of Chemical Physics, 1980, 73, 2387-2404. | 3.0 | 38 |
| 13 | Simulating the photoelectron spectra of rare-gas clusters. Journal of Chemical Physics, 2005, 122, 244717. | 3.0 | 29 |
| 14 | The shapes of firstâ€stage sinters. Journal of Applied Physics, 1989, 65, 3219-3225. | 2.5 | 27 |
| 15 | Composition of tungsten oxide bronzes active for hydrodeoxygenation. Applied Catalysis A: General, 2010, 388, 86-95. | 4.3 | 25 |
| 16 | Two- versus three-dimensional melting and spontaneous reversing isomerization in isolated SF6-(Ar)9 van der Waals clusters. Chemical Physics Letters, 1988, 152, 14-22. | 2.6 | 24 |
| 17 | Isomer specific evaporation rates: The case of anilineâ€“Ar2. Journal of Chemical Physics, 1996, 104, 983-991. | 3.0 | 20 |
| 18 | On the use of evaporation dynamics to characterize phase transitions in van der Waals clusters: investigations in anilineâ€“(argon) up to n=15. Chemical Physics, 1998, 239, 121-138. | 1.9 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Studentsâ€™ Understanding of Analogy after a CORE (Chemical Observations, Representations,) Tj ETQq1 1 0.784314 rgBT /Overloc 92, 1626-1638. | 2.3 | 18 |
| 20 | Surface Heterogeneity and Diffusion in the Desorption of Methanol from WO3(001) Surfaces. Journal of Physical Chemistry A, 2003, 107, 1413-1423. | 2.5 | 12 |
| 21 | Structural motifs and stability of small argonâ€“nitrogen clusters. Journal of Chemical Physics, 2003, 119, 9021-9029. | 3.0 | 11 |
| 22 | InterChemNet: Integrating Instrumentation, Management, and Assessment in the General Chemistry Laboratory Course. Journal of Chemical Education, 2006, 83, 494. | 2.3 | 11 |
| 23 | Whispering gallery mode emission generated in tunable quantum dot doped glycerol/water and ionic liquid/water microdroplets formed on a superhydrophobic coating. Journal of Materials Chemistry, 2011, 21, 10823. | 6.7 | 9 |
| 24 | Structure, dynamic and energetic of mixed transition metal clusters. European Physical Journal D, 2012, 66, 1. | 1.3 | 5 |
| 25 | Polymers and Cross-Linking: A CORE Experiment To Help Students Think on the Submicroscopic Level. Journal of Chemical Education, 2016, 93, 1599-1605. | 2.3 | 5 |
| 26 | The uncatalyzed gas phase hydrochlorination of alkenes II. Allene. Tetrahedron Letters, 1974, 15, 3037-3040. | 1.4 | 4 |
| 27 | The influence of zinc(ii) on thioredoxin/glutathione disulfide exchange: QM/MM studies to explore how zinc(ii) accelerates exchange in higher dielectric environments. Metallomics, 2015, 7, 1265-1273. | 2.4 | 3 |
| 28 | Minimum Energy Structures of Br 2 - ArN Clusters: Implications for Dynamics. , 1987, , 207-212. | | 2 |