Every day when I teach Inorganic Chemistry (and in most of my problem sets and take home exams) I create Web pages scripted with Jmol to show 3D images of selected molecules to my students. I am a very visual learner and I find the structures beautiful and informative.

Recently it has become difficult to see images scripted with Jmol since Jmol was written to use Javascript, and Java encountered some security breaches last year (2013).

To be able to see my Jmol images (or the images/visualizations/animations) created by others I have found the following. This is what works as of today Feb 27, 2014 and is subject to change as Java and browsers update.

Java has been updated to address the most recent security breaches. I am currently using Java 7 update 51. It is likely that your Java has been updated automatically through your ITS network. I am accepting the update as secure.

Here is a test case if you want to try it:
http://www.people.carleton.edu/~mcass/1-Inorganic-C351/MCH36B.html

**For a Mac:** Go to System Preferences (under the Apple Menu): You should find a Java icon: On my computer, see line 5, 4th icon from left below: Click on the Java icon
Now, go to the Security Settings Under Java when the Java Control Panel Opens:

Here you can either use the sliding bar to lower the Security Level (which some people do evidently successfully and without concern)

Or: Edit the Site List for “Exception Site List” which I do. I add sites I want, including my own. Then click OK.

I can now see my images in both Firefox or Safari Browsers. When my pages come up, I see the following “Security Warning” which browsers are scripted to alert you to the fact that you are asking to open a java applet.

Click Run and wait for the images to load.
As a final note; My Safari Browser will now allow my Jmol commands to work. Firefox will also allow my commands to work but will give the following message (no matter if I have an updated version of Firefox or not) when I click on any command for the first time after I have loaded the website.

I click OK and everything runs smoothly from there.

**For a Window Machine** (Windows 7 and higher) the protocol is much the same.

Note that I have tested this only on Firefox. (Safari test coming soon)

When you try to load a Web site with Jmol images you will see following:

Indicating that the application has been blocked. Copy the URL of what you hope to see.

Now go to the Window Icon in the bottom left corner of your computer. In your search programs and files bar type in “Java” and a window will open with a few options. Click on “Configure Java”. Then select the Security tab at the top and the following Window opens:
Here you can either use the sliding bar to lower the Security Level (which some people do evidently successfully and without concern)

Or: Edit the Site List for “Exception Site List” which I do. I add sites I want, including my own. Paste the URL where you edit the site list. (Note my ITS people suggested I include my site both with the www and without), Then click OK.

When you return to your selected Web page the images should load and run (be patient with loading of the first page in particular)