

Peer Review of A04 by _____ (authors' names)

	Beginning, 1	Developing, 2	Accomplished, 3	Exemplary, 4	Score
Chemistry & Scheme 1	At least 7 structures shown; no more than <u>six errors</u> .	At least 9 structures shown; no more than <u>four errors</u> . Flow, alignment, or coloring lacking. Legend in Word file.	At least 11 structures shown; no more than <u>two errors</u> . Color use appropriate. Logic & alignm. OK. Legend in Word file placed correctly.	Perfect reaction diagram, w/ perfect Lewis structures. Color enhances message. Caption in Word file at correct location with correct format.	/4
Simulated Spectra & Fig. 1	Attempts to compute spectra made, i.e., $f_{i,m}(\bar{\nu})$ as functions of $(\bar{\nu}_{\max,i,m}, h_{i,m}, \sigma_{i,m}, n_{i,m})$ values. Problems with the concept of Gaussians, and the concept of superposition.	Fig. 1 shows all spectra. Shapes are <u>recognizable</u> . Colors and line styles mostly correct. X- & Y-ranges and graph format close to original. Legend present.	Fig. 1 shows all spectra with <u>similar shapes and correct colors and line styles</u> . X- & Y-ranges, graph format <u>close to original</u> . Legend contains parameters.	Fig. 1 shows all spectra with <u>perfect shape, color and line style</u> . Requested X- & Y-ranges; graph format <u>perfect</u> . Legend contains all $(\bar{\nu}_{\max,i,m}, h_{i,m}, \sigma_{i,m}, n_{i,m})$ parameters.	/4
Fig. 2 Import and Legend Counts x0.5	Correct image imported as Fig. 2. Legend is lacking in format and content.	Correct image imported as Fig. 2. Legend in text; hard to understand and incomplete.	Correct image imported as Fig. 2. Sized to match Fig. 1. Legend in text, descriptive and almost complete.	Correct image imported as Fig. 2. Sized to match Fig. 1. Legend in text, descriptive and complete.	/2
Organization of XL File	Poorly organized XL file. Peer review would be premature.	Not really sure about the organization and/or the correctness of the data.	Comps. probably correct. Data are organized, but organization is not intuitive.	Comps. are correct. Well organized & easily accessible data on labeled sheets.	/4
Content of Text & Footnotes	Major problems with the logic and with nomenclature. Fails to convey the big picture.	Text contains <u>some lapses in logic</u> and/or nomenclature. Art & most refs. cited in text.	Text <u>makes sense</u> , nomenclature mostly correct, most abbreviations defined. Art & refs. placed OK.	Purpose clear, text makes <u>perfect sense</u> . Art and refs. cited in text, at the correct place, in the correct format.	/4
Word File Organization, & Formatting Counts x0.5	File organization lacking. Formatting of document (body, legends, & footnotes) lacking.	Sequence, page breaks, header & footer, footnotes are mostly OK. Document formatting mostly OK.	Sequence, breaks, header & footer, footnotes <u>A-OK</u> . Doc. formatting (margins, font, font size, spacing) <u>mostly OK</u> .	Sequence, breaks, header & footer, footnotes, & document formatting (margins, font, size, line spacing) are <u>A-OK</u> .	/2
Total (Max. 20)					

Constructive Comments to Guide the Authors' Revision: